

Industry Summary

1997

Issued January 2000

EC97C23S-IS

1997 Economic Census

Construction

Subject Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

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



ACKNOWLEDGMENTS

The staff of the Manufacturing and Construction Division prepared this report. **Judy M. Dodds**, Assistant Chief for Census and Related Programs, was responsible for the overall planning, management, and coordination. **Patricia L. Horning**, Chief, Construction and Minerals Branch, assisted by **Michael A. Blake**, Section Chief, performed the planning and implementation. **Carla M. Bailey**, **Nina S. Heggs**, **Donald G. Powers**, **Linda M. Taylor**, and **Robert A. Wright** provided primary staff assistance.

Brian Greenberg, Assistant Chief for Research and Methodology Programs, assisted by **Stacey Cole**, Chief of Manufacturing Programs Methodology Branch, and **Robert Struble**, Section Chief, provided the mathematical and statistical techniques as well as the coverage operations. **Jefferey Dalzell** and **Cathy Ritenour** provided primary staff assistance.

Mendel D. Gayle, Chief, Forms, Publications, and Customer Services Branch, assisted by **Julius Smith Jr.**, and **Baruti Taylor**, Section Chiefs, performed overall coordination of the publication process. **Kim Credito**, **Patrick Duck**, **Wanda L.W. Sledd**, and **Veronica White** provided primary staff assistance.

The Economic Planning and Coordination Division, **Lawrence A. Blum**, Assistant Chief for Collection Activities, and **Shirin A. Ahmed**, Assistant Chief for Post-Collection Processing, was responsible for developing the systems and procedures for mailout, receipt, correspondence, data input, industry classification, clerical processing, administrative-record processing, and quality control.

The Economic Product Team, with primary contributions from **Keith Fuller**, **Andrew W. Hait**, and **Jennifer E. Lins**, was responsible for the development of the product creation system to support the 1997 Economic Census product dissemination.

The staff of the National Processing Center, **Judith N. Petty**, Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review.

The Geography Division staff developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, **Charles P. Pautler Jr.**, Chief, developed and coordinated the computer processing systems. **Martin S. Harahush**, Assistant Chief for Quinquennial Programs, assisted by **Barbara L. Lambert** and **Lisa Draper**, was responsible for design and implementation of the computer systems. **Samuel Rozenel**, Chief, Current Construction Branch, **Kevin J. Montgomery** and **Leonard S. Sammarco**, Section Chiefs, supervised the preparation of the computer programs. **Jongmin Lee** and **Clifton D. Exley** provided primary staff assistance.

Computer Services Division, **Debra Williams**, Chief, performed the computer processing.

Kim D. Ottenstein, **Bernadette J. Gayle**, and **Laurene V. Qualls** of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, provided publications and printing management, graphics design and composition, and editorial review for print and electronic media. General direction and production management were provided by **Michael G. Garland**, Assistant Chief, and **Gary J. Lauffer**, Chief, Publications Services Branch.

Special acknowledgment is also due the many businesses whose cooperation has contributed to the publication of these data.

1997 Economic Census

Construction

Subject Series



U.S. Department of Commerce

William M. Daley,

Secretary

Robert L. Mallett,

Deputy Secretary

Economics

and Statistics

Administration

Robert J. Shapiro,

Under Secretary for

Economic Affairs

U.S. CENSUS BUREAU

Kenneth Prewitt,

Director



**Economics
and Statistics
Administration**

Robert J. Shapiro,
Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

Kenneth Prewitt,
Director

William G. Barron,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

William G. Bostic Jr.,
Chief, Manufacturing
and Construction Division

CONTENTS

Introduction to the Economic Census	1
Construction	5

TABLES

1. 1997 Data Showing the Derivation of the NAICS Classification Based on the SIC Classification	7
2. Employment Statistics for Establishments With Payroll by Industry: 1997	8
3. General Statistics for Establishments With Payroll by Industry: 1997	9
4. Detailed Statistics for Establishments With Payroll by Industry Group: 1997	10
5. Selected Statistics for Establishments With Payroll by Employment Size Class and Industry Group: 1997	12
6. Selected Statistics for Establishments With Payroll by Dollar Value of Business Done Size Class and Industry Group: 1997	13
7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997	15
8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997	18
9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997	24
10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997	27

APPENDIXES

A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Coverage and Methodology	C-1
D. Geographic Notes	--
E. Metropolitan Areas	--
F. Detailed SIC Code Title: 1997	F-1

-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.
N	Not available or not comparable.
Q	Revenue not collected at this level of detail for multiestablishment firms.
S	Withheld because estimates did not meet publication standards.

V	Represents less than 50 vehicles or .05 percent.
X	Not applicable.
Y	Disclosure withheld because of insufficient coverage of merchandise lines.
Z	Less than half the unit shown.
a	0 to 19 employees.
b	20 to 99 employees.
c	100 to 249 employees.
e	250 to 499 employees.
f	500 to 999 employees.
g	1,000 to 2,499 employees.
h	2,500 to 4,999 employees.
i	5,000 to 9,999 employees.
j	10,000 to 24,999 employees.
k	25,000 to 49,999 employees.
l	50,000 to 99,999 employees.
m	100,000 employees or more.
p	10 to 19 percent estimated.
q	20 to 29 percent estimated.
r	Revised.
s	Sampling error exceeds 40 percent.
nec	Not elsewhere classified.
nsk	Not specified by kind.
–	Represents zero (page image/print only).
(CC)	Consolidated city.
(IC)	Independent city.

This page is intentionally blank.

Construction

SCOPE

Construction, sector 23, includes establishments primarily engaged in construction work that have one or more paid employees. Construction work includes new construction work, additions, alterations, and repairs. Establishments identified as construction management firms are also included. The construction sector is divided into three types of activity or subsectors.

The Building, Developing, and General Contracting subsector includes establishments responsible for the construction of building projects. Builders, developers, and general contractors, as well as land subdividers and land developers are included in the subsector. The construction work may be done for others and performed by custom builders, general contractors, design builders, or turnkey contractors. This construction activity may be for sale as performed by speculative or operative builders.

The Heavy Construction subsector includes establishments engaged in the construction of heavy engineering and industrial projects (except buildings) such as highways, power plants, and pipelines. Establishments in this subsector usually assume responsibility for entire non-building projects, but may subcontract some or all of the actual construction work. Special trade contractors are included in this group if they are engaged in activities primarily related to heavy construction such as grading for highways. Kinds of establishments include heavy construction general contractors, and design builders.

The Special Trade Contractors subsector includes establishments engaged in specialized construction activities such as plumbing, painting, and electrical work. The activities in this subsector may be subcontracted from builders or general contractors, or the work may be performed directly for project owners. Special trade contractors usually perform most of their work at the job site, although they may have shops where they perform prefabrication and other work.

GENERAL

A list of publications that provide statistics on construction, sector 23, follows.

Industry reports. There are 28 separate industry reports. They present data for a six-digit North American Industry Classification System (NAICS) industry. A description of the particular NAICS industry may be found in

Appendix B. These reports include statistics such as number of establishments, employment, payroll, value added, cost of materials, value of business done, and capital expenditures. Explanations of these and other terms may be found in Appendix A. The industry reports also include selected statistics for states.

Geographic area reports. There is a separate report for each state, the District of Columbia, and the United States. They present statistics similar to the industry reports for each state. They also present selected six-digit NAICS level data.

Subject reports. The Industry series, U.S. Summary, and Geographic Area series, U.S. Summary, reports present selected statistics from the individual industry and geographic area reports, as well as higher level aggregations.

GEOGRAPHIC AREAS COVERED

The area reports for the construction industries contain state and regional level data. No substate data are available.

While most of the state data in the industry series reports are by physical location of the establishment, some data are available by reported location of the construction work.

The regions are made up of groups of states as follows:

NORTHEAST

Connecticut
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

MIDWEST

Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska

North Dakota
Ohio
South Dakota
Wisconsin

SOUTH

Alabama
Arkansas
Delaware
District of Columbia
Florida
Georgia
Kentucky
Louisiana
Maryland
Mississippi
North Carolina
Oklahoma
South Carolina
Tennessee
Texas
Virginia
West Virginia

WEST

Alaska
Arizona
California
Colorado
Hawaii
Idaho
Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) had a major impact on the comparability of data between the 1992 and 1997 censuses. Less than half of the industries in the construction sector of NAICS have comparable industries in the Standard Industrial Classification (SIC) system that was used for past censuses. Because of the lack of comparable data, historic data are not shown for this sector.

Lead paint removal and asbestos abatement left the construction sector with the introduction of NAICS. Many changes took place within the sector, or from business

activity coming into the sector. Much of the change came from adding management services to each of the construction industries in the building, developing, and general contracting subsector and the heavy construction subsector. Also, land subdividers and developers, and rental of construction equipment with an operator were added to the sector.

Another change is that data for establishments with no employees are no longer included in the construction reports, but are available in other report series.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld. Suppressed data are included in higher-level totals.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The County Business Patterns program of the U.S. Census Bureau offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county and state.

The U.S. Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place contain data related to construction sector census data. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity. The construction sector census data covers both new construction and maintenance and repair work done by establishments classified in the construction industries. Significant amounts of construction are done by establishments classified outside of construction (real estate, manufacturing, utilities, and communications, for example), as both "force account" construction and construction done for others. In addition, the C30 series includes construction-related expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in construction sector census data.

Data contained in the 1997 construction sector may also differ from industry data in Employment and Earnings Statistics, published by the Bureau of Labor Statistics and Statistics of Income, published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology.

Table 1. 1997 Data Showing the Derivation of the NAICS Classification Based on the SIC Classification

[NAICS codes appear in bold type. Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For a more detailed title for each SIC code shown, see Appendix F]

NAICS and SIC code	Industry	Number of establishments	Total number of employees	Payroll, all employees	Value of construction work	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
23	Construction	656 448	5 664 853	174 184 608	845 543 552	612 209 024	383 845 728	241 400 736	15 063 943
233	Building, developing, & general contracting	199 289	1 342 953	42 546 112	381 641 600	198 826 896	120 322 720	83 788 504	3 037 957
152100	General contractors—single-family houses	116 537	438 033	10 314 481	78 546 104	52 802 444	29 210 228	24 426 964	820 494
152210	General contr—residential bldgs, other than single-family (pt)	1 112	13 807	500 308	4 882 751	2 422 387	1 614 314	853 544	25 284
152220	General contr—residential bldgs, other than single-family (pt)	6 341	47 742	1 396 445	10 929 329	5 527 400	2 840 835	2 816 644	71 959
153110	Operative builders (pt)	19 781	125 106	4 402 202	66 965 120	39 024 196	22 611 456	17 285 812	375 850
153120	Operative builders (pt)	693	8 541	274 426	2 816 386	1 459 644	770 259	774 978	20 167
153130	Operative builders (pt)	85	1 555	61 512	461 000	257 168	238 794	51 004	2 644
153140	Operative builders (pt)	441	3 743	132 383	1 727 950	1 233 152	1 134 451	337 753	11 994
154110	General contractors—industrial buildings & warehouses (pt)	1 910	19 856	638 605	5 468 494	2 678 384	1 679 881	1 054 897	56 063
154120	General contractors—industrial buildings & warehouses (pt)	6 800	138 294	4 926 683	32 185 042	16 581 370	9 917 935	7 139 695	300 474
154200	General contractors—nonresidential bldgs, exc indust bldgs/whses	30 817	472 611	17 205 060	157 182 656	62 498 744	38 109 604	26 002 242	1 011 750
655200	Land subdividers and developers, except cemeteries	8 186	41 827	1 509 773	13 635 521	10 247 820	9 154 633	1 867 422	276 804
874121	Management services (pt)	2 531	7 852	247 901	1 287 544	975 532	764 238	234 967	14 769
874122	Management services (pt)	510	2 613	95 756	741 594	334 964	177 679	171 011	3 632
874123	Management services (pt)	395	3 216	140 772	868 300	363 541	273 115	105 571	6 770
874124	Management services (pt)	3 150	18 156	699 805	3 943 827	2 420 149	1 825 292	666 000	39 303
234	Heavy construction	42 557	880 400	30 291 850	127 841 600	105 639 352	68 775 976	39 816 292	5 313 180
161100	Highway & street construction contractors, exc elevated highways	11 162	277 073	9 472 264	48 347 180	39 026 188	22 923 202	17 676 596	2 184 441
162200	Bridge, tunnel, & elevated highway construction contractors	1 171	47 681	1 843 671	9 530 810	7 165 568	4 488 512	2 694 099	242 191
162310	Water, sewer, pipeline, & communications & power line constr (pt)	8 013	162 401	5 514 426	22 173 112	19 107 938	12 265 614	7 057 640	944 702
162320	Water, sewer, pipeline, & communications & power line constr (pt)	3 236	73 584	2 366 099	7 730 180	6 677 798	5 155 237	1 592 319	426 635
162910	Heavy construction, n.e.c. (pt)	484	97 883	3 687 795	9 058 877	7 974 710	6 163 487	1 863 475	133 317
162920	Heavy construction, n.e.c. (pt)	15 475	192 974	6 333 978	27 318 228	22 631 066	15 286 024	8 122 920	1 147 642
735320	Heavy construction equipment rental (pt) ..	2 295	23 586	834 076	2 524 507	2 349 906	1 962 928	597 203	217 358
874131	Management services (pt)	108	906	55 362	125 104	75 896	60 708	23 049	4 616
874132	Management services (pt)	6	84	3 489	8 231	6 434	5 044	1 752	76
874133	Management services (pt)	29	165	7 855	30 947	18 801	14 484	4 705	347
874134	Management services (pt)	64	466	21 333	119 257	64 147	46 186	18 264	1 624
874135	Management services (pt)	547	672	34 568	196 339	154 946	125 211	31 230	2 079
874136	Management services (pt)	465	2 926	116 935	678 827	385 953	279 340	133 042	8 153
235	Special trade contractors	414 602	3 441 500	101 346 648	336 060 352	307 742 752	194 747 056	117 795 936	6 712 807
171100	Plumbing, heating, & air-conditioning special trade contractors	84 876	788 930	25 720 160	87 330 176	78 496 384	46 576 808	33 016 838	1 361 596
172100	Painting & paper hanging special trade contractors	36 339	191 073	4 472 285	12 742 031	11 809 982	8 613 785	3 247 369	300 571
173100	Electrical work special trade contractors ..	61 414	641 985	21 680 036	64 260 292	61 121 104	38 580 524	23 195 354	1 015 851
174100	Masonry, stone setting, & oth stone work special trade contr.	22 614	164 236	4 068 498	12 231 875	11 438 477	7 593 673	3 910 609	231 463
174200	Plastering, drywall, acoustical, & insul work special trade contr.	19 333	256 538	7 258 262	21 652 598	19 475 684	12 674 453	7 054 884	255 610
174310	Terrazzo, tile, marble, & mosaic work special trade contr (pt)	-	-	-	-	-	-	-	-
174320	Terrazzo, tile, marble, & mosaic work special trade contr (pt)	6 847	39 755	1 064 176	3 491 653	3 290 990	1 992 726	1 339 614	47 905
175100	Carpentry work special trade contractors ..	44 858	230 409	5 490 471	20 311 034	18 006 142	11 031 365	7 306 600	251 195
175200	Floor laying & other floor work special trade contractors, n.e.c.	12 078	60 533	1 672 303	6 675 721	6 042 611	3 455 155	2 727 249	75 917
176100	Roofing, siding, & sheet metal work special trade contractors	30 557	253 315	6 494 890	23 967 096	21 976 038	13 220 789	8 941 505	417 129
177110	Concrete work special trade contractors (pt)	1 124	10 172	221 178	716 768	638 255	408 086	235 824	13 340
177120	Concrete work special trade contractors (pt)	30 417	262 256	6 858 140	25 848 848	23 603 728	14 159 429	9 762 065	701 491
178100	Water well drilling special trade contractors	3 862	21 214	576 191	2 191 264	2 131 884	1 331 018	831 824	128 956
179100	Structural steel erection special trade contractors	4 238	72 301	2 387 071	8 009 223	7 216 973	4 863 623	2 496 799	120 938
179300	Glass & glazing work special trade contractors	4 472	34 740	1 024 415	3 740 086	3 647 269	2 058 778	1 797 171	46 196
179400	Excavation work special trade contractors ..	18 229	116 237	3 353 874	13 746 608	12 216 146	9 086 184	3 576 930	994 656
179500	Wrecking & demolition work special trade contractors	1 542	18 820	592 176	2 164 162	1 913 892	1 732 366	321 372	109 871
179600	Install or erection of bldg equip, special trade contr, n.e.c.	4 489	75 501	3 148 030	9 215 174	8 605 993	6 616 349	2 117 398	181 015
179910	Special trade contractors, n.e.c. (pt)	1 141	4 258	71 211	273 652	239 596	173 654	66 387	5 817
179920	Special trade contractors, n.e.c. (pt)	242	1 084	27 136	S	S	S	28 973	1 245
179940	Special trade contractors, n.e.c. (pt)	25 932	198 141	5 166 152	17 401 280	15 783 854	10 513 530	5 821 174	452 047

Table 2. Employment Statistics for Establishments With Payroll by Industry: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Number of establishments	Number of employees			Number of construction workers				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			All	Con- struction workers	January to March	April to June	July to September	October to December	All employees	Construction workers		
											A	
23	Construction	656 448	5 664 853	4 332 737	3 974 166	4 357 708	4 603 709	4 395 365	174 184 608	119 676 792	Z	
233	Building, developing, & general contracting ..	199 289	1 342 953	885 939	831 434	887 038	934 236	891 048	42 546 112	23 135 832	Z	
2331	Land subdivision & land development	8 186	41 827	10 977	10 219	10 485	11 911	11 293	1 509 773	254 247	1	
23311	Land subdivision & land development ..	8 186	41 827	10 977	10 219	10 485	11 911	11 293	1 509 773	254 247	1	
2332	Residential building construction	146 394	629 887	407 801	385 220	411 710	428 547	405 728	16 731 210	8 762 122	1	
23321	Single-family housing construction	138 850	570 990	367 719	347 933	371 075	386 007	365 861	14 964 583	7 739 858	1	
23322	Multifamily housing construction	7 544	58 896	40 082	37 287	40 635	42 540	39 867	1 766 627	1 022 265	2	
2333	Nonresidential building construction	44 710	671 239	467 161	435 995	464 843	493 778	474 027	24 305 128	14 119 462	Z	
23331	Mfg & industrial building construction ...	7 280	143 066	107 180	101 768	106 997	111 065	108 890	5 128 967	3 322 347	1	
23332	Commercial & institutional building construction	37 430	528 173	359 981	334 226	357 846	382 713	365 138	19 176 160	10 797 116	1	
234	Heavy construction	42 557	880 400	710 898	605 243	734 889	778 318	725 140	30 291 850	22 218 582	1	
2341	Highway, street, bridge, & tunnel construction	12 448	325 743	265 267	201 409	282 188	308 977	268 495	11 374 786	8 473 898	1	
23411	Highway & street construction	11 270	277 979	227 066	168 468	242 136	266 449	231 211	9 527 626	7 095 139	1	
23412	Bridge & tunnel construction	1 177	47 764	38 201	32 942	40 052	42 529	37 283	1 847 160	1 378 759	2	
2349	Other heavy construction	30 109	554 657	445 630	403 834	452 702	469 341	456 645	18 917 064	13 744 685	1	
23491	Water, sewer, & pipeline construction ..	8 042	162 566	134 023	118 378	136 968	145 154	135 592	5 522 281	4 087 007	2	
23492	Power & communication transmission line construction	3 300	74 050	60 880	56 373	60 486	63 749	62 911	2 387 432	1 748 715	2	
23493	Industrial nonbuilding structure construction	531	98 555	79 473	77 706	81 784	76 152	82 252	3 722 363	2 734 020	2	
23499	All other heavy construction	18 236	219 486	171 254	151 376	173 463	184 287	175 891	7 284 989	5 174 943	1	
235	Special trade contractors	414 602	3 441 500	2 735 901	2 537 489	2 735 781	2 891 155	2 779 177	101 346 648	74 322 376	Z	
2351	Plumbing, heating, & air-conditioning contractors	84 876	788 930	599 940	575 724	594 608	622 656	606 774	25 720 160	18 279 714	1	
23511	Plumbing, heating, & air-conditioning contractors	84 876	788 930	599 940	575 724	594 608	622 656	606 774	25 720 160	18 279 714	1	
2352	Painting & wall covering contractors	37 480	195 331	160 740	142 809	162 077	179 422	158 651	4 543 495	3 430 534	1	
23521	Painting & wall covering contractors	37 480	195 331	160 740	142 809	162 077	179 422	158 651	4 543 495	3 430 534	1	
2353	Electrical contractors	61 414	641 985	510 921	482 658	498 478	532 341	530 209	21 680 036	16 261 157	1	
23531	Electrical contractors	61 414	641 985	510 921	482 658	498 478	532 341	530 209	21 680 036	16 261 157	1	
2354	Masonry, drywall, insulation, & tile contractors	49 917	470 701	407 700	381 763	410 433	427 505	411 098	12 612 114	10 072 956	1	
23541	Masonry & stone contractors	22 614	164 236	145 919	131 511	148 587	155 867	147 712	4 068 498	3 348 713	1	
23542	Drywall, plastering, acoustical, & insulation contractors	20 457	266 710	229 934	219 949	229 823	238 753	231 209	7 479 440	5 940 419	1	
23543	Tile, marble, terrazzo, & mosaic contractors	6 847	39 755	31 847	30 303	32 023	32 885	32 177	1 064 176	783 825	2	
2355	Carpentry & floor contractors	56 936	290 942	228 273	212 933	226 987	240 999	232 175	7 162 774	5 116 142	1	
23551	Carpentry contractors	44 858	230 409	185 610	172 661	185 313	195 586	188 882	5 490 471	4 086 221	1	
23552	Floor laying & other floor contractors ...	12 078	60 533	42 663	40 272	41 674	45 413	43 293	1 672 303	1 029 921	1	
2356	Roofing, siding, & sheet metal contractors	30 557	253 315	197 294	180 620	198 105	210 731	199 719	6 494 890	4 369 788	1	
23561	Roofing, siding, & sheet metal contractors	30 557	253 315	197 294	180 620	198 105	210 731	199 719	6 494 890	4 369 788	1	
2357	Concrete contractors	30 417	262 256	222 121	184 155	232 001	245 023	227 306	6 858 140	5 298 498	1	
23571	Concrete contractors	30 417	262 256	222 121	184 155	232 001	245 023	227 306	6 858 140	5 298 498	1	
2358	Water well drilling contractors	3 862	21 214	15 360	14 423	15 497	16 092	15 426	576 191	399 089	3	
23581	Water well drilling contractors	3 862	21 214	15 360	14 423	15 497	16 092	15 426	576 191	399 089	3	
2359	Other special trade contractors	59 143	516 824	393 552	362 405	397 595	416 387	397 821	15 698 852	11 094 501	1	
23591	Structural steel erection contractors ...	4 238	72 301	59 923	57 112	59 512	62 304	60 765	2 387 071	1 822 653	1	
23592	Glass & glazing contractors	4 714	35 823	23 207	22 119	22 485	24 015	24 211	1 051 551	623 662	1	
23593	Excavation contractors	18 229	116 237	92 830	80 039	94 835	101 640	94 806	3 353 874	2 525 857	2	
23594	Wrecking & demolition contractors	1 542	18 820	14 486	13 274	14 157	15 647	14 956	592 176	414 583	2	
23595	Building equip & other machinery installation contractors	4 489	75 501	56 211	54 835	55 680	57 155	57 174	3 148 030	2 260 145	1	
23599	All other special trade contractors	25 932	198 141	146 894	135 026	150 927	155 716	145 908	5 166 152	3 447 601	1	

Table 3. General Statistics for Establishments With Payroll by Industry: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Value of construction work	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Rental cost of machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	B	G
23	Construction	845 543 552	612 209 024	383 845 728	241 400 736	233 334 544	12 348 423	15 063 943	118 847 360	Z	1
233	Building, developing, & general contracting	381 641 600	198 826 896	120 322 720	83 788 504	182 814 720	2 341 357	3 037 957	22 304 406	Z	2
2331	Land subdivision & land development	13 635 521	10 247 820	9 154 633	1 867 422	3 387 700	80 840	276 804	1 746 086	1	6
23311	Land subdivision & land development	13 635 521	10 247 820	9 154 633	1 867 422	3 387 700	80 840	276 804	1 746 086	1	6
2332	Residential building construction	161 286 080	100 124 176	56 374 696	45 710 376	61 161 900	758 198	1 306 872	9 652 600	1	5
23321	Single-family housing construction	146 798 768	92 802 168	52 585 924	41 947 744	53 996 600	668 029	1 211 114	8 886 918	1	6
23322	Multifamily housing construction	14 487 308	7 322 008	3 788 773	3 762 633	7 165 301	90 169	95 759	765 683	3	6
2333	Nonresidential building construction	206 720 016	88 454 896	54 793 388	36 210 704	118 265 120	1 502 318	1 454 281	10 905 719	1	1
23331	Mfg & industrial building construction	33 514 342	17 202 078	10 429 844	7 296 270	16 312 262	347 686	309 888	2 485 399	1	2
23332	Commercial & institutional building construction	173 205 680	71 252 816	44 363 544	28 914 436	101 952 864	1 154 632	1 144 393	8 420 319	1	2
234	Heavy construction	127 841 600	105 639 352	68 775 976	39 816 292	22 202 246	4 297 718	5 313 180	45 846 272	1	1
2341	Highway, street, bridge, & tunnel construction	58 011 324	46 274 084	27 477 466	20 395 496	11 737 238	1 803 366	2 431 324	21 903 534	1	2
23411	Highway & street construction	48 472 284	39 102 084	22 983 910	17 699 646	9 370 199	1 546 990	2 189 057	19 603 764	1	2
23412	Bridge & tunnel construction	9 539 041	7 172 002	4 493 556	2 695 851	2 367 039	256 375	242 267	2 299 770	2	3
2349	Other heavy construction	69 830 272	59 365 264	41 298 512	19 420 796	10 465 008	2 494 352	2 881 856	23 942 738	1	1
23491	Water, sewer, & pipeline construction	22 204 058	19 126 738	12 280 098	7 062 344	3 077 320	880 428	945 049	7 704 027	2	3
23492	Power & communication transmission line construction	7 849 436	6 741 945	5 201 423	1 610 583	1 107 492	267 361	428 260	2 993 666	2	3
23493	Industrial nonbuilding structure construction	9 255 216	8 129 656	6 288 698	1 894 705	1 125 561	234 208	135 395	1 262 284	1	2
23499	All other heavy construction	30 521 562	25 366 926	17 528 292	8 853 164	5 154 637	1 112 355	1 373 152	11 982 762	1	2
235	Special trade contractors	336 060 352	307 742 752	194 747 056	117 795 936	28 317 580	5 709 350	6 712 807	50 696 684	Z	1
2351	Plumbing, heating, & air-conditioning contractors	87 330 176	78 496 384	46 576 808	33 016 838	8 833 796	1 315 324	1 361 596	9 891 859	1	1
23511	Plumbing, heating, & air-conditioning contractors	87 330 176	78 496 384	46 576 808	33 016 838	8 833 796	1 315 324	1 361 596	9 891 859	1	1
2352	Painting & wall covering contractors	13 015 683	12 049 579	8 787 438	3 313 756	966 104	241 717	306 388	1 914 670	1	2
23521	Painting & wall covering contractors	13 015 683	12 049 579	8 787 438	3 313 756	966 104	241 717	306 388	1 914 670	1	2
2353	Electrical contractors	64 260 292	61 121 104	38 580 524	23 195 354	3 139 188	818 635	1 015 851	7 612 438	1	1
23531	Electrical contractors	64 260 292	61 121 104	38 580 524	23 195 354	3 139 188	818 635	1 015 851	7 612 438	1	1
2354	Masonry, drywall, insulation, & tile contractors	38 092 892	34 843 408	22 668 938	12 540 930	3 249 485	498 316	548 317	4 100 836	1	2
23541	Masonry & stone contractors	12 231 875	11 438 477	7 593 673	3 910 609	793 398	195 487	231 463	1 745 715	1	2
23542	Drywall, plastering, acoustical, & insulation contractors	22 369 364	20 113 940	13 082 540	7 290 708	2 255 424	265 495	268 950	1 949 828	1	2
23543	Tile, marble, terrazzo, & mosaic contractors	3 491 653	3 290 990	1 992 726	1 339 614	200 663	37 334	47 905	405 292	2	4
2355	Carpentry & floor contractors	26 986 756	24 048 754	14 486 520	10 033 848	2 938 002	360 900	327 112	2 675 840	1	2
23551	Carpentry contractors	20 311 034	18 006 142	11 031 365	7 306 600	2 304 892	265 882	251 195	2 026 619	2	3
23552	Floor laying & other floor contractors	6 675 721	6 042 611	3 455 155	2 727 249	633 111	95 018	75 917	649 222	1	4
2356	Roofing, siding, & sheet metal contractors	23 967 096	21 976 038	13 220 789	8 941 505	1 991 057	335 273	417 129	3 127 915	1	2
23561	Roofing, siding, & sheet metal contractors	23 967 096	21 976 038	13 220 789	8 941 505	1 991 057	335 273	417 129	3 127 915	1	2
2357	Concrete contractors	25 848 848	23 603 728	14 159 429	9 762 065	2 245 119	511 485	701 491	5 930 597	1	2
23571	Concrete contractors	25 848 848	23 603 728	14 159 429	9 762 065	2 245 119	511 485	701 491	5 930 597	1	2
2358	Water well drilling contractors	2 191 264	2 131 884	1 331 018	831 824	59 380	47 545	128 956	1 318 427	2	5
23581	Water well drilling contractors	2 191 264	2 131 884	1 331 018	831 824	59 380	47 545	128 956	1 318 427	2	5
2359	Other special trade contractors	54 367 340	49 471 892	34 935 584	16 159 817	4 895 449	1 580 154	1 905 967	14 124 102	1	1
23591	Structural steel erection contractors	8 009 223	7 216 973	4 863 623	2 496 799	792 249	229 387	120 938	1 016 268	1	2
23592	Glass & glazing contractors	3 830 894	3 735 033	2 123 533	1 826 144	95 862	75 476	47 440	455 252	1	4
23593	Excavation contractors	13 746 608	12 216 146	9 086 184	3 576 930	1 530 462	601 267	994 656	7 913 730	2	3
23594	Wrecking & demolition contractors	2 164 162	1 913 892	1 732 366	321 372	250 269	105 796	109 871	790 383	2	4
23595	Building equip & other machinery installation contractors	9 215 174	8 605 993	6 616 349	2 117 398	609 181	172 141	181 015	1 090 008	1	2
23599	All other special trade contractors	17 401 280	15 783 854	10 513 530	5 821 174	1 617 426	396 088	452 047	2 858 463	1	2

Table 4. Detailed Statistics for Establishments With Payroll by Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value	Relative standard error of estimate (percent)	Item	Value	Relative standard error of estimate (percent)
23, CONSTRUCTION			23, CONSTRUCTION—Con.		
Number of establishments in business during year	656 448	Z	233, Building, developing, & general contracting—Con.		
Number of proprietors and working partners	254 713	1	Fringe benefits, all employees	8 940 824	Z
Total number of employees	5 664 853	Z	Legally required expenditures	5 929 710	Z
Number of construction workers in March	3 974 166	Z	Voluntary expenditures	3 011 115	Z
Number of construction workers in May	4 357 708	Z	Value of business done	386 925 952	Z
Number of construction workers in August	4 603 709	Z	Value of construction work	381 641 600	Z
Number of construction workers in November	4 395 365	Z	Value of construction work subcontracted in from others	15 724 829	1
Average number of construction workers	4 332 737	Z	Other business receipts	5 284 326	3
Number of other employees in March	1 332 161	Z	Net value of construction	198 826 896	Z
Number of other employees in May	1 319 559	Z	Value added	120 322 720	1
Number of other employees in August	1 341 407	Z	Selected costs	266 603 232	Z
Number of other employees in November	1 335 334	Z	Cost of materials, components, and supplies	81 714 512	1
Average number of other employees	1 332 116	Z	Cost of construction work subcontracted out to others	182 814 720	Z
Payroll, all employees	174 184 608	Z	Cost of selected power, fuels, and lubricants	2 073 987	1
Payroll, construction workers	119 676 792	Z	Cost of electricity	630 266	1
Payroll, other employees	54 507 816	Z	Cost of natural gas and manufactured gas	143 553	1
First-quarter payroll, all employees	37 434 448	Z	Cost of gasoline and diesel fuel	1 226 530	1
Fringe benefits, all employees	41 422 476	Z	Cost of on-highway use of gasoline and diesel fuel	1 033 835	1
Legally required expenditures	25 692 444	Z	Cost of off-highway use of gasoline and diesel fuel	192 695	2
Voluntary expenditures	15 730 033	Z	Cost of all other fuels and lubricants	73 637	2
Value of business done	858 581 056	Z	Rental cost for machinery, equipment, and buildings	2 341 357	1
Value of construction work	845 543 552	Z	Rental cost for machinery and equipment	1 403 930	1
Value of construction work subcontracted in from others	237 691 136	Z	Rental cost for buildings	937 427	1
Other business receipts	13 037 464	1	Selected purchased services	2 627 847	1
Net value of construction	612 209 024	Z	Purchased communication services	1 314 818	1
Value added	383 845 728	Z	Cost of repairs to buildings and other structures	213 150	1
Selected costs	474 735 296	Z	Cost of repairs to machinery and equipment	1 099 879	1
Cost of materials, components, and supplies	231 144 048	Z	Value of construction work	381 641 600	Z
Cost of construction work subcontracted out to others	233 334 544	Z	Value of construction work on government owned projects	57 834 664	1
Cost of selected power, fuels, and lubricants	10 256 693	Z	Value of construction work on federally owned projects	14 362 134	1
Cost of electricity	1 740 763	1	Value of construction work on state and locally owned projects	43 472 528	1
Cost of natural gas and manufactured gas	514 783	1	Value of construction work on privately owned projects	323 806 944	Z
Cost of gasoline and diesel fuel	7 452 872	Z	Beginning-of-year gross book value of depreciable assets	20 309 334	1
Cost of on-highway use of gasoline and diesel fuel	5 335 645	Z	Capital expenditures, other than land	3 037 957	2
Cost of off-highway use of gasoline and diesel fuel	2 117 227	1	Retirements and disposition of depreciable assets	1 042 885	2
Cost of all other fuels and lubricants	548 275	1	End-of-year gross book value of depreciable assets	22 304 406	1
Rental cost for machinery, equipment, and buildings	12 348 423	Z	Depreciation charges during year	2 173 930	1
Rental cost for machinery and equipment	8 637 238	1	Number of establishments with inventories	35 348	1
Rental cost for buildings	3 711 185	1	Value of construction work for establishments with inventories	91 319 600	1
Selected purchased services	13 223 140	Z	End of 1997, inventories of materials and supplies	5 918 253	2
Purchased communication services	4 502 956	Z	End of 1996, inventories of materials and supplies	5 229 803	2
Cost of repairs to buildings and other structures	830 181	1	Number of establishments with no inventories	83 221	1
Cost of repairs to machinery and equipment	7 890 003	Z	Value of construction work for establishments with no inventories	199 513 040	1
Value of construction work	845 543 552	Z	Number of establishments not reporting inventories	80 720	1
Value of construction work on government owned projects	186 164 144	Z	Value of construction work for establishments not reporting inventories	90 808 976	1
Value of construction work on federally owned projects	37 451 064	1	234, Heavy construction		
Value of construction work on state and locally owned projects	148 713 072	1	Number of establishments in business during year	42 557	1
Value of construction work on privately owned projects	659 379 392	Z	Number of proprietors and working partners	12 632	3
Beginning-of-year gross book value of depreciable assets	108 440 136	Z	Total number of employees	880 400	1
Capital expenditures, other than land	15 063 943	1	Number of construction workers in March	605 243	1
Retirements and disposition of depreciable assets	4 656 722	1	Number of construction workers in May	734 889	1
End-of-year gross book value of depreciable assets	118 847 360	Z	Number of construction workers in August	778 318	1
Depreciation charges during year	12 628 392	Z	Number of construction workers in November	725 140	1
Number of establishments with inventories	173 737	1	Average number of construction workers	710 898	1
Value of construction work for establishments with inventories	322 485 120	Z	Number of other employees in March	166 649	1
End of 1997, inventories of materials and supplies	11 642 726	1	Number of other employees in May	168 903	1
End of 1996, inventories of materials and supplies	10 681 842	1	Number of other employees in August	171 670	1
Number of establishments with no inventories	243 039	1	Number of other employees in November	170 788	1
Value of construction work for establishments with no inventories	345 539 520	Z	Average number of other employees	169 502	1
Number of establishments not reporting inventories	239 673	1	Payroll, all employees	30 291 850	Z
Value of construction work for establishments not reporting inventories	177 518 896	1	Payroll, construction workers	22 218 582	Z
233, Building, developing, & general contracting			Payroll, other employees	8 073 267	1
Number of establishments in business during year	199 289	Z	First-quarter payroll, all employees	5 880 580	1
Number of proprietors and working partners	S	S	Fringe benefits, all employees	7 786 736	Z
Total number of employees	1 342 953	Z	Legally required expenditures	4 665 757	Z
Number of construction workers in March	831 434	Z	Voluntary expenditures	3 120 979	1
Number of construction workers in May	887 038	Z	Value of business done	130 794 520	Z
Number of construction workers in August	934 236	Z	Value of construction work	127 841 600	1
Number of construction workers in November	891 048	Z	Value of construction work subcontracted in from others	28 386 274	1
Average number of construction workers	885 939	Z	Other business receipts	2 952 920	2
Number of other employees in March	459 167	Z	Net value of construction	105 639 352	1
Number of other employees in May	452 076	Z	Value added	68 775 976	1
Number of other employees in August	458 801	Z			
Number of other employees in November	458 011	Z			
Average number of other employees	457 014	Z			
Payroll, all employees	42 546 112	Z			
Payroll, construction workers	23 135 832	Z			
Payroll, other employees	19 410 280	Z			
First-quarter payroll, all employees	9 533 881	Z			

Table 4. Detailed Statistics for Establishments With Payroll by Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value	Relative standard error of estimate (percent)	Item	Value	Relative standard error of estimate (percent)
23, CONSTRUCTION—Con.			23, CONSTRUCTION—Con.		
234, Heavy construction—Con.			235, Special trade contractors—Con.		
Selected costs	62 018 540	1	Number of other employees in August	710 936	Z
Cost of materials, components, and supplies	36 655 772	1	Number of other employees in November	706 535	Z
Cost of construction work subcontracted out to others	22 202 246	1	Average number of other employees	705 599	Z
Cost of selected power, fuels, and lubricants	3 160 521	1	Payroll, all employees	101 346 648	Z
Cost of electricity	340 172	5	Payroll, construction workers	74 322 376	Z
Cost of natural gas and manufactured gas	160 257	3	Payroll, other employees	27 024 272	Z
Cost of gasoline and diesel fuel	2 409 752	1	First-quarter payroll, all employees	22 019 986	Z
Cost of on-highway use of gasoline and diesel fuel	1 200 142	1	Fringe benefits, all employees	24 694 916	Z
Cost of off-highway use of gasoline and diesel fuel	1 209 610	1	Legally required expenditures	15 096 977	Z
Cost of all other fuels and lubricants	250 340	2	Voluntary expenditures	9 597 938	Z
Rental cost for machinery, equipment, and buildings	4 297 718	1	Value of business done	340 860 576	Z
Rental cost for machinery and equipment	3 853 016	1	Value of construction work	336 060 352	Z
Rental cost for buildings	444 702	2	Value of construction work subcontracted in from others	193 580 032	Z
Selected purchased services	4 186 276	1	Other business receipts	4 800 218	2
Purchased communication services	647 860	1	Net value of construction	307 742 752	Z
Cost of repairs to buildings and other structures	188 895	3	Value added	194 747 056	Z
Cost of repairs to machinery and equipment	3 349 522	1	Selected costs	146 113 520	Z
Value of construction work	127 841 600	1	Cost of materials, components, and supplies	112 773 752	Z
Value of construction work on government owned projects	69 213 936	1	Cost of construction work subcontracted out to others	28 317 580	1
Value of construction work on federally owned projects	8 845 515	2	Cost of selected power, fuels, and lubricants	5 022 185	Z
Value of construction work on state and locally owned projects	60 368 420	1	Cost of electricity	770 325	1
Value of construction work on privately owned projects	58 627 664	1	Cost of natural gas and manufactured gas	210 973	1
Beginning-of-year gross book value of depreciable assets	42 372 868	1	Cost of gasoline and diesel fuel	3 816 589	Z
Capital expenditures, other than land	5 313 180	1	Cost of on-highway use of gasoline and diesel fuel	3 101 667	Z
Retirements and disposition of depreciable assets	1 839 777	2	Cost of off-highway use of gasoline and diesel fuel	714 922	1
End-of-year gross book value of depreciable assets	45 846 272	1	Cost of all other fuels and lubricants	224 298	1
Depreciation charges during year	4 627 363	1	Rental cost for machinery, equipment, and buildings	5 709 350	Z
Number of establishments with inventories	9 634	3	Rental cost for machinery and equipment	3 380 293	1
Value of construction work for establishments with inventories ..	50 131 852	1	Rental cost for buildings	2 329 057	1
End of 1997, inventories of materials and supplies	1 017 171	3	Selected purchased services	6 409 017	Z
End of 1996, inventories of materials and supplies	910 164	3	Purchased communication services	2 540 279	Z
Number of establishments with no inventories	17 864	2	Cost of repairs to buildings and other structures	428 136	1
Value of construction work for establishments with no inventories	54 143 044	1	Cost of repairs to machinery and equipment	3 440 602	1
Number of establishments not reporting inventories	15 058	2	Value of construction work	336 060 352	Z
Value of construction work for establishments not reporting inventories	23 566 700	2	Value of construction work on government owned projects ..	59 115 544	1
235, Special trade contractors			Value of construction work on federally owned projects	14 243 417	1
Number of establishments in business during year	414 602	Z	Value of construction work on state and locally owned projects	44 872 124	1
Number of proprietors and working partners	169 219	1	Value of construction work on privately owned projects	276 944 800	Z
Total number of employees	3 441 500	Z	Beginning-of-year gross book value of depreciable assets	45 757 936	Z
Number of construction workers in March	2 537 489	Z	Capital expenditures, other than land	6 712 807	1
Number of construction workers in May	2 735 781	Z	Retirements and disposition of depreciable assets	1 774 059	1
Number of construction workers in August	2 891 155	Z	End-of-year gross book value of depreciable assets	50 696 684	Z
Number of construction workers in November	2 779 177	Z	Depreciation charges during year	5 827 100	1
Average number of construction workers	2 735 901	Z	Number of establishments with inventories	128 754	1
Number of other employees in March	706 345	Z	Value of construction work for establishments with inventories ..	181 033 664	1
Number of other employees in May	698 581	Z	End of 1997, inventories of materials and supplies	4 707 303	1
			End of 1996, inventories of materials and supplies	4 541 875	1
			Number of establishments with no inventories	141 953	1
			Value of construction work for establishments with no inventories	91 883 448	1
			Number of establishments not reporting inventories	143 895	1
			Value of construction work for establishments not reporting inventories	63 143 228	1

Table 5. Selected Statistics for Establishments With Payroll by Employment Size Class and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Employment size class	Number of establishments	Total number of employees	Total payroll	Dollar value of business done	Value of construction work	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	B	F	
23, CONSTRUCTION												
Total	656 448	5 664 853	174 184 608	858 581 056	845 543 552	612 209 024	383 845 728	241 400 736	233 334 544	Z	Z	
Establishments with 1 to 4 employees	409 256	762 232	15 406 230	106 557 544	105 143 856	82 240 032	49 585 024	34 068 700	22 903 822	Z	1	
Establishments with 5 to 9 employees	123 389	789 923	19 209 402	96 797 040	95 321 216	74 545 680	46 457 636	29 563 874	20 775 530	1	1	
Establishments with 10 to 19 employees	67 093	890 450	25 542 146	117 789 056	116 063 800	88 685 656	55 495 568	34 915 348	27 378 142	1	1	
Establishments with 20 to 49 employees	39 806	1 179 078	38 568 752	176 116 288	173 513 904	126 671 672	79 552 960	49 721 096	46 842 228	1	1	
Establishments with 50 to 99 employees	10 958	741 261	26 508 620	126 303 032	124 349 232	86 353 424	54 062 140	34 245 076	37 995 812	1	1	
Establishments with 100 to 249 employees	4 717	688 240	25 620 702	127 380 248	125 648 232	83 314 696	52 416 140	32 630 574	42 333 536	1	1	
Establishments with 250 to 499 employees	914	306 004	11 516 013	56 193 544	55 121 620	37 058 052	23 877 742	14 252 235	18 063 570	Z	Z	
Establishments with 500 to 999 employees	242	160 129	6 228 377	31 687 076	31 044 444	20 598 674	13 406 742	7 834 564	10 445 771	Z	Z	
Establishments with 1,000 employees or more	75	147 535	5 584 369	19 757 200	19 337 270	12 741 132	8 991 792	4 169 269	6 596 139	Z	Z	
233, Building, developing, & general contracting												
Total	199 289	1 342 953	42 546 112	386 925 952	381 641 600	198 826 896	120 322 720	83 788 504	182 814 720	Z	Z	
Establishments with 1 to 4 employees	138 926	251 698	5 505 596	59 679 140	58 779 340	39 645 628	22 678 676	17 866 752	19 133 710	1	1	
Establishments with 5 to 9 employees	33 153	210 102	5 423 671	46 299 828	45 495 028	28 431 008	16 807 282	12 428 525	17 064 020	1	2	
Establishments with 10 to 19 employees	15 593	204 108	6 216 158	50 321 756	49 629 740	27 938 378	16 557 559	12 072 837	21 691 362	1	2	
Establishments with 20 to 49 employees	8 132	240 062	8 406 926	72 417 696	71 561 160	35 185 916	21 724 896	14 317 554	36 375 248	1	1	
Establishments with 50 to 99 employees	2 253	151 788	5 714 643	54 207 544	53 552 076	23 837 928	14 709 991	9 783 405	29 714 146	1	1	
Establishments with 100 to 249 employees	954	140 194	5 617 591	55 703 492	55 253 888	22 996 576	14 425 742	9 020 439	32 257 312	1	2	
Establishments with 250 to 499 employees	188	62 312	2 487 646	23 241 664	22 860 616	9 839 998	6 541 791	3 679 254	13 020 619	Z	Z	
Establishments with 500 to 999 employees	67	44 793	1 754 408	16 055 532	15 665 048	7 614 937	4 900 566	3 104 855	8 050 111	Z	Z	
Establishments with 1,000 employees or more	24	37 895	1 419 473	8 999 290	8 844 721	3 336 525	1 976 213	1 514 881	5 508 196	Z	Z	
234, Heavy construction												
Total	42 557	880 400	30 291 850	130 794 520	127 841 600	105 639 352	68 775 976	39 816 292	22 202 246	1	1	
Establishments with 1 to 4 employees	18 956	38 444	855 993	4 422 100	4 357 699	3 954 500	2 831 403	1 187 498	403 199	3	3	
Establishments with 5 to 9 employees	7 846	51 548	1 421 453	6 245 186	6 164 412	5 465 676	3 799 862	1 746 587	698 736	3	4	
Establishments with 10 to 19 employees	6 535	87 869	2 737 418	11 893 672	11 688 207	10 192 702	6 759 493	3 638 674	1 495 505	3	3	
Establishments with 20 to 49 employees	5 682	172 077	5 791 607	25 250 458	24 804 852	20 817 582	13 169 541	8 093 649	3 987 269	2	2	
Establishments with 50 to 99 employees	2 054	140 988	5 074 954	23 055 804	22 483 040	18 396 342	11 365 638	7 603 468	4 086 698	2	2	
Establishments with 100 to 249 employees	1 095	162 775	5 938 484	27 999 912	27 280 104	21 605 956	13 274 220	9 051 545	5 674 148	1	Z	
Establishments with 250 to 499 employees	277	93 844	3 481 721	16 215 215	15 737 005	12 428 404	8 002 583	4 904 031	3 308 601	Z	Z	
Establishments with 500 to 999 employees	82	54 741	2 123 901	8 738 141	8 543 637	6 800 992	4 675 065	2 320 431	1 742 645	Z	Z	
Establishments with 1,000 employees or more	29	78 114	2 866 320	6 974 030	6 782 642	5 977 196	4 898 173	1 270 411	805 446	Z	Z	
235, Special trade contractors												
Total	414 602	3 441 500	101 346 648	340 860 576	336 060 352	307 742 752	194 747 056	117 795 936	28 317 580	Z	Z	
Establishments with 1 to 4 employees	251 374	472 090	9 044 642	42 456 308	42 006 816	38 639 904	24 074 944	15 014 450	3 366 913	1	1	
Establishments with 5 to 9 employees	82 389	528 273	12 364 279	44 252 028	43 661 776	40 649 000	25 850 490	15 388 762	3 012 774	1	1	
Establishments with 10 to 19 employees	44 965	598 473	16 588 571	55 573 628	54 745 852	50 554 576	32 178 516	19 203 836	4 191 276	1	1	
Establishments with 20 to 49 employees	25 992	766 940	24 370 218	78 448 128	77 147 880	70 668 168	44 658 528	27 309 892	6 479 713	1	1	
Establishments with 50 to 99 employees	6 652	448 485	15 719 024	49 039 684	48 314 116	44 119 152	27 986 512	16 858 204	4 194 967	1	1	
Establishments with 100 to 249 employees	2 667	385 271	14 064 628	43 676 840	43 114 236	38 712 160	24 716 176	14 558 589	4 402 074	1	1	
Establishments with 250 to 499 employees	449	149 848	5 546 646	16 736 668	16 524 000	14 789 650	9 333 368	5 668 950	1 734 350	Z	Z	
Establishments with 500 to 999 employees	93	60 595	2 350 068	6 893 404	6 835 760	6 182 745	3 831 111	2 409 278	653 015	Z	Z	
Establishments with 1,000 employees or more	22	31 526	1 298 576	3 783 880	3 709 908	3 427 411	2 117 406	1 383 977	282 497	Z	Z	

Table 6. Selected Statistics for Establishments With Payroll by Dollar Value of Business Done Size Class and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Dollar value size class	Number of establishments	Total number of employees	Total payroll	Dollar value of business done	Value of construction work	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	B	F	
23, CONSTRUCTION												
Total	656 448	5 664 853	174 184 608	858 581 056	845 543 552	612 209 024	383 845 728	241 400 736	233 334 544	Z	Z	
Establishments with value of business done less than \$25,000	29 127	S	S	S	S	S	S	S	S	S	S	
Establishments with value of business done \$25,000 to \$49,999	37 884	S	S	S	S	S	S	S	S	S	S	
Establishments with value of business done \$50,000 to \$99,999	79 785	117 939	1 529 196	S	S	S	S	S	S	2	S	
Establishments with value of business done \$100,000 to \$249,999	166 948	408 262	6 841 333	27 395 154	27 107 468	24 875 938	16 132 885	9 030 740	S	1	1	
Establishments with value of business done \$250,000 to \$499,999	118 463	500 198	10 325 607	41 749 636	41 234 828	36 877 732	23 276 192	14 116 352	4 357 095	1	1	
Establishments with value of business done \$500,000 to \$999,999	89 765	642 336	15 578 351	62 962 584	62 050 532	53 359 228	33 760 920	20 510 356	8 691 306	1	1	
Establishments with value of business done \$1,000,000 to \$2,499,999	75 105	959 753	27 599 026	116 370 376	114 529 144	94 689 632	59 117 136	37 413 720	19 839 514	1	1	
Establishments with value of business done \$2,500,000 to \$4,999,999	30 250	733 114	24 031 704	104 410 392	102 717 872	81 919 696	50 707 172	32 905 052	20 798 170	1	1	
Establishments with value of business done \$5,000,000 to \$9,999,999	16 021	664 812	23 738 930	110 214 360	108 341 280	81 172 904	50 058 408	32 987 578	27 168 372	1	1	
Establishments with value of business done \$10,000,000 or more	13 101	1 586 151	64 027 308	387 761 664	381 915 712	232 216 112	146 010 656	92 051 408	149 699 600	Z	Z	
233, Building, developing, & general contracting												
Total	199 289	1 342 953	42 546 112	386 925 952	381 641 600	198 826 896	120 322 720	83 788 504	182 814 720	Z	Z	
Establishments with value of business done less than \$25,000	7 059	S	S	S	S	S	S	S	S	S	S	
Establishments with value of business done \$25,000 to \$49,999	9 980	S	S	S	S	S	S	S	S	S	S	
Establishments with value of business done \$50,000 to \$99,999	21 321	28 658	365 364	S	S	S	S	S	S	3	S	
Establishments with value of business done \$100,000 to \$249,999	45 176	94 459	1 531 876	7 454 033	7 354 938	6 081 249	3 733 593	2 446 751	S	2	1	
Establishments with value of business done \$250,000 to \$499,999	34 957	109 070	2 188 739	12 383 490	12 187 065	9 306 831	5 489 990	4 013 267	2 880 234	2	2	
Establishments with value of business done \$500,000 to \$999,999	29 424	138 711	3 235 912	20 758 858	20 402 878	14 301 069	8 343 754	6 313 295	6 101 809	2	2	
Establishments with value of business done \$1,000,000 to \$2,499,999	27 646	205 059	5 713 292	43 206 212	42 522 924	28 204 778	16 494 143	12 393 924	14 318 145	1	1	
Establishments with value of business done \$2,500,000 to \$4,999,999	11 192	144 214	4 697 008	38 725 516	38 097 820	23 180 072	13 260 292	10 547 473	14 917 750	2	2	
Establishments with value of business done \$5,000,000 to \$9,999,999	6 336	134 870	4 825 942	43 503 948	42 782 248	23 048 078	13 874 036	9 895 743	19 734 168	2	2	
Establishments with value of business done \$10,000,000 or more	6 198	474 950	19 859 696	218 836 512	216 265 264	92 991 168	58 030 488	37 531 920	123 274 104	Z	1	
234, Heavy construction												
Total	42 557	880 400	30 291 850	130 794 520	127 841 600	105 639 352	68 775 976	39 816 292	22 202 246	1	1	
Establishments with value of business done less than \$25,000	1 053	S	S	S	S	S	S	S	S	S	S	
Establishments with value of business done \$25,000 to \$49,999	1 535	1 380	13 763	S	S	S	S	S	S	12	S	
Establishments with value of business done \$50,000 to \$99,999	2 912	3 869	54 938	214 515	213 291	202 095	148 638	54 681	S	8	7	
Establishments with value of business done \$100,000 to \$249,999	7 864	18 203	317 422	1 326 665	1 306 307	1 227 364	911 314	336 409	S	5	4	
Establishments with value of business done \$250,000 to \$499,999	6 874	29 319	608 155	2 463 407	2 431 068	2 284 825	1 659 275	657 889	146 243	5	4	
Establishments with value of business done \$500,000 to \$999,999	6 488	49 295	1 221 803	4 550 616	4 477 622	4 088 318	2 945 636	1 215 675	389 304	4	4	
Establishments with value of business done \$1,000,000 to \$2,499,999	6 888	100 300	2 945 205	10 959 764	10 777 047	9 712 241	6 672 723	3 222 236	1 064 806	3	3	
Establishments with value of business done \$2,500,000 to \$4,999,999	3 675	99 537	3 170 373	12 889 575	12 647 242	11 011 068	7 351 790	3 901 611	1 636 174	3	3	
Establishments with value of business done \$5,000,000 to \$9,999,999	2 524	118 146	4 143 221	17 678 628	17 348 850	14 641 338	9 157 665	5 813 451	2 707 513	3	3	

Table 6. Selected Statistics for Establishments With Payroll by Dollar Value of Business Done Size Class and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Dollar value size class	Number of establishments	Total number of employees	Total payroll	Dollar value of business done	Value of construction work	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	B	F
23, CONSTRUCTION—Con.											
234, Heavy construction—Con.											
Total—Con.											
Establishments with value of business done \$10,000,000 or more	2 743	459 891	17 812 636	80 640 176	78 569 648	62 406 164	39 881 064	24 595 628	16 163 485	Z	1
235, Special trade contractors											
Total	414 602	3 441 500	101 346 648	340 860 576	336 060 352	307 742 752	194 747 056	117 795 936	28 317 580	Z	Z
Establishments with value of business done less than \$25,000	21 015	S	S	S	S	S	S	S	S	S	S
Establishments with value of business done \$25,000 to \$49,999	26 368	S	S	S	S	S	S	S	S	S	S
Establishments with value of business done \$50,000 to \$99,999	55 551	85 412	1 108 893	4 118 204	4 090 099	3 925 789	2 660 986	S	S	2	2
Establishments with value of business done \$100,000 to \$249,999	113 908	295 601	4 992 036	18 614 458	18 446 222	17 567 324	11 487 978	6 247 580	878 899	1	1
Establishments with value of business done \$250,000 to \$499,999	76 632	361 809	7 528 713	26 902 742	26 616 696	25 286 078	16 126 927	9 445 196	1 330 619	1	1
Establishments with value of business done \$500,000 to \$999,999	53 853	454 330	11 120 636	37 653 108	37 170 032	34 969 840	22 471 532	12 981 386	2 200 192	1	1
Establishments with value of business done \$1,000,000 to \$2,499,999	40 571	654 394	18 940 528	62 204 400	61 229 172	56 772 612	35 950 272	21 797 562	4 456 564	1	1
Establishments with value of business done \$2,500,000 to \$4,999,999	15 383	489 362	16 164 324	52 795 300	51 972 808	47 728 560	30 095 088	18 455 968	4 244 246	1	1
Establishments with value of business done \$5,000,000 to \$9,999,999	7 162	411 796	14 769 768	49 031 784	48 210 180	43 483 488	27 026 708	17 278 384	4 726 691	1	1
Establishments with value of business done \$10,000,000 or more	4 160	651 310	26 354 974	88 284 976	87 080 784	76 818 776	48 099 108	29 923 862	10 262 007	Z	1

Table 7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work				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
23. CONSTRUCTION								
Total	845 543 552	541 833 012	199 503 366	95 552 166	Z	Z	Z	1
Building construction, total	667 892 335	441 085 796	160 098 787	66 707 752	Z	Z	Z	1
Single-family houses, detached and attached	238 301 608	179 325 838	38 743 071	20 232 700	1	1	1	1
Single-family houses, detached	208 636 594	157 912 589	33 607 561	17 116 443	1	1	1	1
Single-family houses, attached	29 665 014	21 413 248	5 135 510	3 116 256	1	1	2	2
Apartment buildings, apartment type condominiums and cooperatives	35 912 059	23 549 029	7 294 218	5 068 813	1	2	2	2
All other residential buildings	1 450 935	879 677	409 889	161 370	4	3	8	12
Manufacturing and light industrial buildings	64 026 464	33 796 938	18 857 654	11 371 872	1	1	1	1
Manufacturing and light industrial warehouses	20 252 089	13 494 830	4 676 949	2 080 311	2	2	2	2
Hotels and motels	17 209 304	12 623 672	3 254 698	1 330 934	1	1	4	4
Office buildings	80 588 781	44 449 862	27 694 812	8 444 108	1	1	1	1
All other commercial buildings, nec	69 545 794	43 566 415	18 638 395	7 340 984	1	1	1	2
Commercial warehouses	16 628 141	11 912 121	3 298 378	1 417 642	2	2	4	3
Religious buildings	9 400 127	5 343 590	2 969 442	1 087 095	2	2	2	3
Educational buildings	46 826 417	28 102 206	15 751 455	2 972 756	2	2	1	2
Health care and institutional buildings	33 942 469	19 754 714	11 763 387	2 424 369	1	1	1	2
Public safety buildings	10 119 930	7 346 218	2 200 704	573 008	1	1	3	3
Farm buildings, nonresidential	3 473 574	2 508 098	530 901	434 575	4	4	6	5
Amusement, social, and recreational buildings	10 429 599	7 893 895	2 073 509	462 196	1	1	5	5
Other building construction	9 785 043	6 538 695	1 941 327	1 305 021	2	2	4	4
Nonbuilding construction, total	168 996 209	100 747 216	39 404 579	28 844 413	Z	1	1	1
Highways, streets, and related work	49 304 103	25 570 349	15 598 033	8 135 720	1	1	1	2
Airport runways and related work	1 947 184	1 021 618	717 990	207 577	6	9	5	7
Private driveways and parking areas	9 774 722	5 599 184	2 073 402	2 102 136	2	3	6	4
Bridges, tunnels, and elevated highways	12 486 792	7 835 212	3 537 801	1 113 779	1	2	2	4
Bridges and elevated highways	10 227 901	6 022 682	3 223 905	981 314	2	2	2	3
Tunnels	2 258 891	1 812 530	313 896	132 465	2	2	2	19
Sewers, water mains, and related facilities	23 818 434	17 567 736	3 632 776	2 617 922	2	2	4	4
Sewers, sewer lines, septic systems, and related facilities	13 522 245	10 003 779	2 224 809	1 293 657	2	2	4	4
Water mains and related facilities	10 296 189	7 563 957	1 407 967	1 324 265	2	2	5	6
Pipeline construction other than sewer or water lines	6 350 283	3 915 667	1 171 766	1 262 850	3	3	4	5
Power and communication transmission lines, cables, towers, and related facilities	13 111 959	8 226 081	2 608 115	2 277 763	2	2	4	5
Power plants	4 515 905	1 975 869	804 383	1 735 653	2	1	2	5
Power and cogeneration plants, except hydroelectric	3 382 836	1 324 325	649 117	1 409 394	1	1	1	1
Power plants, hydroelectric	1 133 069	651 544	155 266	326 259	8	3	7	25
Blast furnaces, petroleum refineries, chemical complexes, etc.	10 618 146	3 903 304	2 120 426	4 594 417	1	2	1	1
Sewage and water treatment plants	9 670 782	6 139 478	2 989 494	5 441 809	2	2	4	4
Sewage treatment plants	5 215 389	3 215 116	1 707 411	292 862	3	2	6	5
Water treatment plants	4 455 392	2 924 362	1 282 083	248 947	3	4	3	5
Mass transit construction	2 904 305	1 698 944	710 531	494 829	3	4	4	6
Urban mass transit construction	1 266 643	857 069	301 231	108 343	1	1	2	3
Railroad construction	1 637 662	841 875	409 301	386 486	6	8	7	8
Conservation and development construction	3 431 824	2 487 509	424 100	520 215	3	4	6	10
Dam and reservoir construction	938 805	746 106	98 226	94 473	5	4	18	9
Dry/solid waste disposal	1 319 655	896 826	265 474	157 355	4	4	4	13
Harbor and port facilities	894 744	655 189	162 696	76 859	5	6	7	11
Marine construction	2 397 679	1 250 811	389 426	357 443	3	3	3	7
Outdoor swimming pools	3 223 519	2 495 059	345 186	383 274	3	3	7	8
Water storage facilities	947 680	605 164	84 732	257 783	8	12	9	6
Tank storage facilities other than water	863 577	458 145	138 256	267 175	4	4	11	10
Fencing	2 504 583	1 849 077	367 707	287 799	2	2	3	4
Recreational facilities	2 998 792	2 305 369	471 660	221 762	5	5	8	10
Billboards	50 759	47 616	D	D	27	29	D	D
Heavy military construction	37 497	31 519	D	D	1	1	D	D
Ships	308 475	125 829	44 165	138 481	7	1	4	15
Oilfields	422 595	186 429	63 495	172 671	12	7	10	26
Other nonbuilding construction, nec	4 153 411	3 153 125	577 795	422 490	2	2	4	7
Construction work, nsk	8 654 822	X	X	X	1	X	X	X
233. Building, developing, & general contracting								
Total	381 641 600	276 279 716	85 934 231	15 183 054	Z	Z	1	1
Building construction, total	371 426 049	271 993 826	84 523 997	14 908 226	Z	Z	1	1
Single-family houses, detached and attached	150 532 478	124 038 453	21 774 569	4 719 455	1	1	1	2
Single-family houses, detached	133 869 882	110 865 487	19 023 035	3 981 360	1	1	2	2
Single-family houses, attached	16 662 596	13 172 966	2 751 534	738 096	2	2	3	6
Apartment buildings, apartment type condominiums and cooperatives	19 617 644	14 208 160	4 211 169	1 198 315	2	3	3	4
All other residential buildings	954 291	603 400	259 526	55 366	5	4	11	31
Manufacturing and light industrial buildings	26 211 179	16 436 112	6 882 060	2 893 007	1	1	1	2
Manufacturing and light industrial warehouses	10 666 086	8 040 332	2 204 644	421 110	3	3	2	6
Hotels and motels	9 370 227	7 286 586	1 858 001	225 641	2	2	6	17
Office buildings	40 371 389	23 759 316	14 986 383	1 625 691	1	1	2	3
All other commercial buildings, nec	36 519 818	24 600 230	10 519 658	1 399 930	2	2	2	4
Commercial warehouses	8 262 304	6 546 130	1 425 689	290 485	4	3	8	10
Religious buildings	4 936 913	3 160 614	1 622 861	153 437	3	4	3	13
Educational buildings	25 194 342	16 290 680	8 348 045	555 806	2	3	2	5
Health care and institutional buildings	18 798 347	11 981 943	6 393 884	422 520	1	1	2	3
Public safety buildings	5 584 102	4 367 450	1 109 417	107 235	2	2	5	6
Farm buildings, nonresidential	2 107 126	1 648 388	313 610	145 128	6	6	10	11
Amusement, social, and recreational buildings	7 265 413	5 733 936	1 405 500	125 977	2	1	7	14
Other building construction	5 034 201	3 292 095	1 172 982	569 124	2	2	6	2
Nonbuilding construction, total	5 970 952	4 285 890	1 410 234	274 828	1	1	2	4
Highways, streets, and related work	1 639 808	1 294 539	275 021	70 249	2	2	5	3
Airport runways and related work	16 088	8 413	D	D	Z	Z	D	D
Private driveways and parking areas	107 129	86 491	10 109	10 530	6	5	38	16

Table 7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work				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
23, CONSTRUCTION—Con.								
233, Building, developing, & general contracting—Con.								
Nonbuilding construction, total—Con.								
Bridges, tunnels, and elevated highways	587 747	308 204	247 152	32 391	1	2	1	2
Bridges and elevated highways	477 670	231 357	217 562	28 751	2	3	1	2
Tunnels	110 076	76 846	29 590	3 640	1	1	1	4
Sewers, water mains, and related facilities	211 602	190 440	17 832	3 329	3	3	10	11
Sewers, sewer lines, septic systems, and related facilities	123 480	106 955	14 003	2 521	3	3	13	11
Water mains and related facilities	88 122	83 486	3 829	808	4	4	6	21
Pipeline construction other than sewer or water lines	31 188	30 047	752	389	26	27	16	34
Power and communication transmission lines, cables, towers, and related facilities	160 372	76 746	60 800	22 826	11	6	23	10
Power plants	24 237	15 599	5 280	3 358	2	Z	6	4
Power and cogeneration plants, except hydroelectric	11 702	D	5 280	D	4	D	6	D
Power plants, hydroelectric	12 535	D	—	D	Z	D	—	D
Blast furnaces, petroleum refineries, chemical complexes, etc	37 950	D	3 849	D	1	D	8	D
Sewage and water treatment plants	1 790 144	1 266 828	499 357	23 959	2	2	3	16
Sewage treatment plants	787 323	532 803	240 621	13 899	1	1	3	14
Water treatment plants	1 002 821	734 025	258 736	10 060	3	Z	3	33
Mass transit construction	69 134	28 564	33 513	7 057	Z	Z	Z	Z
Urban mass transit construction	28 929	11 534	D	D	Z	Z	D	D
Railroad construction	40 205	17 030	D	D	Z	Z	D	D
Conservation and development construction	63 574	54 358	7 113	2 104	6	7	2	1
Dam and reservoir construction	18 688	17 445	D	D	1	Z	D	D
Dry/solid waste disposal	13 970	10 607	D	D	1	1	D	D
Harbor and port facilities	66 927	64 214	D	D	1	1	D	D
Marine construction	S	S	D	D	S	S	D	D
Outdoor swimming pools	\$17 356	\$13 851	D	D	42	50	D	D
Water storage facilities	6 667	5 304	D	D	21	26	D	D
Tank storage facilities other than water	7 298	6 448	707	143	9	10	Z	Z
Fencing	4 485	3 212	523	750	19	27	16	14
Recreational facilities	213 600	184 887	S	2 767	10	11	S	9
Billboards	D	D	—	—	D	D	—	—
Heavy military construction	D	D	D	D	D	D	D	—
Ships	738	D	D	D	18	D	D	D
Oilfields	D	D	D	D	D	D	D	D
Other nonbuilding construction, nec	805 656	514 599	208 812	D	2	1	4	D
Construction work, nsk	4 244 630	X	X	X	1	X	X	X
234, Heavy construction								
Total	127 841 600	76 831 536	30 451 911	19 698 818	1	1	1	1
Building construction, total	5 218 782	3 718 144	908 363	592 276	2	2	3	4
Single-family houses, detached and attached	840 247	702 115	85 534	52 598	5	5	11	11
Single-family houses, detached	689 265	570 199	77 071	41 995	5	5	11	11
Single-family houses, attached	150 982	131 916	8 463	10 603	9	9	20	30
Apartment buildings, apartment type condominiums and cooperatives	77 084	61 079	12 554	3 451	8	5	27	12
All other residential buildings	9 661	5 135	2 725	1 802	7	9	8	6
Manufacturing and light industrial buildings	1 314 909	771 651	311 149	232 109	4	6	4	6
Manufacturing and light industrial warehouses	98 046	74 687	12 467	10 892	9	12	6	7
Hotels and motels	85 071	72 087	8 711	4 273	2	2	1	29
Office buildings	730 524	556 720	131 837	41 967	3	3	8	10
All other commercial buildings, nec	952 333	754 553	127 148	70 632	4	5	4	4
Commercial warehouses	106 978	71 845	25 967	S	4	4	4	S
Religious buildings	21 500	14 857	4 925	1 719	13	17	9	29
Educational buildings	261 157	203 035	44 613	13 509	3	3	6	13
Health care and institutional buildings	81 173	24 966	52 889	3 318	2	7	1	9
Public safety buildings	129 939	112 132	16 853	954	3	4	1	16
Farm buildings, nonresidential	52 862	44 814	3 450	\$4 597	12	12	21	70
Amusement, social, and recreational buildings	42 312	32 131	9 588	593	2	2	1	27
Other building construction	414 988	216 336	57 952	140 699	6	7	10	3
Nonbuilding construction, total	121 763 483	73 113 392	29 543 548	19 106 542	1	1	1	1
Highways, streets, and related work	42 628 013	21 237 032	14 211 174	7 179 807	1	2	2	3
Airport runways and related work	1 696 575	857 046	648 764	190 764	4	6	5	7
Private driveways and parking areas	3 722 761	2 236 212	831 177	655 372	3	3	5	7
Bridges, tunnels, and elevated highways	10 697 254	6 992 580	2 949 982	754 692	1	2	2	4
Bridges and elevated highways	8 799 646	5 394 614	2 735 169	669 862	2	2	2	4
Tunnels	1 897 608	1 597 966	214 812	84 830	2	2	3	8
Sewers, water mains, and related facilities	19 475 202	14 585 845	3 088 543	1 800 814	2	2	4	5
Sewers, sewer lines, septic systems, and related facilities	11 642 425	8 773 515	1 915 138	953 772	2	2	5	5
Water mains and related facilities	7 832 777	5 812 331	1 173 405	847 042	2	2	5	9
Pipeline construction other than sewer or water lines	5 437 692	3 492 771	930 493	1 014 428	3	3	5	6
Power and communication transmission lines, cables, towers, and related facilities	8 279 079	5 377 930	1 423 333	1 477 816	2	2	4	3
Power plants	2 621 409	1 334 472	402 945	883 992	1	Z	3	1
Power and cogeneration plants, except hydroelectric	1 916 102	813 009	304 251	798 842	Z	1	1	1
Power plants, hydroelectric	705 307	521 464	98 693	85 150	3	1	10	12
Blast furnaces, petroleum refineries, chemical complexes, etc	6 505 276	2 846 631	1 037 258	2 621 388	2	2	1	2
Sewage and water treatment plants	5 401 944	3 471 166	1 731 073	199 706	4	4	6	7
Sewage treatment plants	3 110 034	1 927 122	1 058 890	124 023	4	4	9	8
Water treatment plants	2 291 910	1 544 044	672 183	75 683	5	7	4	9
Mass transit construction	2 127 939	1 237 602	460 406	429 931	4	5	6	7
Urban mass transit construction	745 507	568 239	103 662	73 606	1	2	4	Z
Railroad construction	1 382 432	669 363	356 744	356 325	7	9	8	8
Conservation and development construction	2 954 381	2 145 163	383 420	425 798	4	4	7	9
Dam and reservoir construction	876 118	705 294	86 761	84 063	5	5	20	10
Dry/solid waste disposal	1 101 556	723 397	237 514	140 645	4	5	5	15
Harbor and port facilities	681 255	517 713	115 703	47 838	6	7	5	11

Table 7. Value of Construction Work for Establishments With Payroll by Type of Construction and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work				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
23, CONSTRUCTION—Con.								
234, Heavy construction—Con.								
Nonbuilding construction, total—Con.								
Marine construction	2 240 422	1 111 903	386 272	742 247	3	3	3	7
Outdoor swimming pools	11 307	5 106	D	D	7	13	D	D
Water storage facilities	289 122	209 038	D	D	7	8	D	D
Tank storage facilities other than water	129 440	51 010	37 364	41 066	16	17	38	22
Fencing	S	7 515	S	S	S	23	S	S
Recreational facilities	2 084 069	1 651 869	303 696	128 503	6	6	10	12
Billboards	D	D	D	—	D	D	D	—
Heavy military construction	D	D	—	—	D	D	—	—
Oilfields	D	D	D	D	D	D	D	D
Other nonbuilding construction, nec	2 639 358	2 232 525	214 255	192 577	3	2	6	12
Construction work, nsk	859 210	X	X	X	9	X	X	X
235, Special trade contractors								
Total	336 060 352	188 721 760	83 117 224	60 670 293	Z	Z	1	1
Building construction, total	291 247 504	165 373 826	74 666 427	51 207 250	Z	Z	1	1
Single-family houses, detached and attached	86 928 884	54 585 269	16 882 968	15 460 647	1	1	1	2
Single-family houses, detached	74 077 447	46 476 903	14 507 456	13 093 088	1	1	1	2
Single-family houses, attached	12 851 436	8 108 366	2 375 512	2 367 558	2	2	3	3
Apartment buildings, apartment type condominiums and cooperatives	16 217 331	9 279 789	3 070 494	3 867 047	1	2	3	2
All other residential buildings	486 983	271 142	111 638	104 202	5	6	6	9
Manufacturing and light industrial buildings	36 500 376	16 589 174	11 664 445	8 246 757	1	1	1	1
Manufacturing and light industrial warehouses	9 487 958	5 379 812	2 459 837	1 648 310	1	2	2	2
Hotels and motels	7 754 005	5 264 999	1 387 986	1 101 020	1	2	2	2
Office buildings	39 486 867	20 133 825	12 576 592	6 776 450	1	1	1	1
All other commercial buildings, nec	32 073 644	18 211 632	7 991 589	5 870 422	1	1	2	2
Commercial warehouses	8 258 859	5 294 145	1 846 722	1 117 992	2	2	4	3
Religious buildings	4 441 713	2 168 119	1 341 656	931 939	2	2	2	2
Educational buildings	21 370 728	11 608 491	7 358 796	2 403 441	1	1	2	2
Health care and institutional buildings	15 062 949	7 747 804	5 316 614	1 998 531	1	1	2	3
Public safety buildings	4 405 890	2 866 637	1 074 434	464 819	2	3	3	3
Farm buildings, nonresidential	1 313 586	814 896	213 841	284 849	4	5	7	6
Amusement, social, and recreational buildings	3 121 875	2 127 828	658 421	335 626	2	2	4	4
Other building construction	4 335 855	3 030 264	710 394	595 197	3	4	6	8
Nonbuilding construction, total	41 261 774	23 347 934	8 450 797	9 463 043	1	1	2	2
Highways, streets, and related work	5 036 281	3 038 779	1 111 838	885 664	3	4	4	4
Airport runways and related work	234 521	*156 158	D	D	36	48	D	D
Private driveways and parking areas	5 944 832	3 276 481	1 232 116	1 436 235	4	4	9	4
Bridges, tunnels, and elevated highways	1 201 792	534 429	340 667	326 696	4	5	5	9
Bridges and elevated highways	950 585	396 711	271 174	282 701	5	6	6	6
Tunnels	251 207	137 718	69 493	*43 995	10	5	3	54
Sewers, water mains, and related facilities	4 131 631	2 791 450	526 402	813 779	2	2	5	5
Sewers, sewer lines, septic systems, and related facilities	1 756 341	1 123 310	295 668	337 363	3	3	7	7
Water mains and related facilities	2 375 290	1 668 140	230 734	476 416	2	2	4	6
Pipeline construction other than sewer or water lines	881 403	392 849	240 521	248 033	6	6	7	9
Power and communication transmission lines, cables, towers, and related facilities	4 672 508	2 771 405	1 123 983	777 120	5	4	7	14
Power plants	1 870 259	625 797	396 158	848 304	5	4	2	10
Power and cogeneration plants, except hydroelectric	1 455 032	D	339 585	D	2	D	3	D
Power plants, hydroelectric	415 227	D	56 573	D	20	D	6	D
Blast furnaces, petroleum refineries, chemical complexes, etc	4 074 920	D	1 079 319	D	1	D	2	D
Sewage and water treatment plants	2 478 693	1 401 485	759 065	318 144	3	2	6	6
Sewage treatment plants	1 318 032	755 191	407 900	154 941	3	3	6	8
Water treatment plants	1 160 661	646 294	351 164	163 203	3	3	8	7
Mass transit construction	707 232	432 779	216 612	57 842	3	4	2	7
Urban mass transit construction	492 207	277 296	D	D	2	2	D	D
Railroad construction	215 025	155 482	D	8	8	11	D	D
Conservation and development construction	413 869	287 989	33 566	*92 313	20	25	11	40
Dam and reservoir construction	43 999	23 367	D	D	23	18	D	D
Dry/solid waste disposal	204 129	162 821	D	D	4	5	D	D
Harbor and port facilities	146 562	73 262	D	D	12	11	D	D
Marine construction	118 040	100 196	D	D	8	9	D	D
Outdoor swimming pools	3 194 856	2 476 103	338 128	380 626	3	3	7	8
Water storage facilities	651 890	390 823	48 778	212 290	11	18	8	7
Tank storage facilities other than water	726 839	400 688	100 184	225 967	4	4	5	11
Fencing	2 479 801	1 838 350	359 308	282 142	2	2	3	4
Recreational facilities	701 123	468 613	142 018	90 492	9	10	12	16
Billboards	7 918	5 577	D	D	19	22	D	D
Heavy military construction	S	S	D	D	S	S	D	D
Ships	307 737	D	D	D	7	D	D	D
Oilfields	300 355	123 527	49 144	127 684	16	8	13	35
Other nonbuilding construction, nec	708 397	406 001	D	D	4	3	D	D
Construction work, nsk	3 550 982	X	X	X	2	X	X	X

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kinds of business activities	Dollar value of business done	Relative standard error of estimate (percent)
23, CONSTRUCTION		
Total	858 581 056	Z
Building, developing, and general contracting, total	376 597 721	Z
Building construction on land owned by others—general contractor or design-builder	214 627 258	1
Building construction on land owned by you, for sale	70 901 074	1
Construction management—buildings	24 325 131	1
Remodeling—general contractor or design-builder	52 323 550	1
Subdividing/developing land owned by you into lots for sale	14 420 708	1
Heavy construction, total	127 604 542	Z
Blasting contractor, except building demolition	350 059	13
Cable and conduit laying contractor	4 616 137	3
Construction management—heavy construction	2 237 555	4
Dredging contractor	862 484	6
Excavation work, earthmoving or land clearing contractor, not connected with buildings	12 557 758	2
Heavy construction contractor	55 818 577	1
Highway and street general contractor	30 055 689	1
Paving contractor—asphalt or concrete for highways, streets, or airport runways	16 156 257	2
Pile driving contractor	1 072 855	7
Pipe jacking/microtunneling contractor	S	S
Rental of construction machinery or equipment to others, with an operator	2 821 763	3
Trenching contractor	831 831	6
Special trade contractors, total	336 274 202	Z
Acoustical contractor	2 431 013	3
Antenna contractor, except household type	106 167	14
Architectural sheet metal contractor, including gutters and downspouts	2 222 050	4
Asphalt contractor, private driveways and parking areas	5 708 990	3
Bridge painting contractor	264 016	4
Building sprinkler system installation contractor	4 090 824	3
Cable television contractor	609 331	15
Carpentry contractor	12 620 978	2
Carpet laying or removal contractor	3 229 692	2
Computer flooring installation contractor	232 852	6
Concrete breaking and cutting contractor	306 818	5
Concrete contractor, except paving of roads, highways, and streets	13 099 166	1
Culvert and curb contractor	1 388 660	4
Curtain wall installation contractor	763 264	3
Dismantling steel oil tanks contractor, except oil field work	139 014	17
Drywall contractor	11 332 063	2
Electric power installation and service contractor, including lighting	44 530 541	1
Electronic control systems installation and service, except environmental control	3 040 856	3
Elevator installation, service, and repair contractor	4 046 929	1
Energy management contractor	651 984	9
Environmental control systems installation and service contractor	1 989 624	4
Escalator installation, service, and repair contractor	318 953	1
Excavation work: earthmoving or land clearing contractor, connected with buildings	13 179 745	2
Fence construction contractor	2 914 375	2
Fire and security systems installation and service	4 083 863	3
Flooring contractor, wood	1 775 617	3
Foundation contractor: brick, block, or stone	1 113 844	4
Foundation contractor, concrete	5 108 430	2
Foundation contractor, digging of	1 359 501	4
Framing contractor	5 471 866	2
Fresco contractor	\$1 607	56
Garage door and overhead door installation contractor	1 935 344	4
Glass and glazing contractor	3 694 304	1
Heating, ventilation and air-conditioning contractor (HVAC)	32 965 343	1
Highway lighting and signal installation and service	2 194 821	6
House moving contractor	172 448	8
Insulation contractor	4 441 212	2
Insulation contractor, pipe and duct work	1 196 448	2
Lathing contractor	682 478	5
Lawn sprinkler installation contractor	1 133 520	8
Marble, granite, and slate contractor: exterior	282 187	4
Marble, granite, and slate contractor: interior	870 966	3
Masonry contractor: brick or block	8 457 259	2
Masonry contractor: pointing, cleaning, or caulking	826 517	3
Mechanical contractor	16 445 220	2
Millwright and machine rigging contractor	4 639 208	2
Modular furniture systems attachment and installation contractor	738 439	4
Mosaic contractor	S	S
Ornamental metal contractor	702 853	4
Paint and wallpaper removal contractor	298 923	6
Painting contractor	11 005 522	1
Paper hanging and wall covering contractor	970 861	3
Plastering contractor	1 949 002	4
Plumbing contractor	22 077 053	2
Precast concrete installation contractor	505 974	5
Radon remediation contractor	17 274	18
Refractory brick contractor	781 773	5
Refrigeration contractor	2 205 200	6
Reinforcing steel contractor	1 487 694	3
Resilient floor laying contractor	1 270 628	3
Roofing contractor	14 761 716	1
Sandblasting contractor, building exteriors	419 211	5
Scaffolding contractor	634 854	1
Septic system installation contractor	852 292	9
Service station equipment installation contractor	1 238 937	6
Sheet metal contractor, except HVAC and plumbing	4 041 025	2
Ship painting contractor	103 070	1
Shotcrete contractor	324 711	9
Siding contractor	2 807 746	4
Specialty sheet metal contractor, including decking and metal ceilings	679 280	6

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kinds of business activities	Dollar value of business done	Relative standard error of estimate (percent)
23, CONSTRUCTION—Con.		
Special trade contractors, total—Con.		
Steamfitting and piping contractor	3 506 487	2
Steel framing contractor	299 241	9
Stonework contractor	804 381	9
Storage tanks, metal, erection contractor	1 170 871	6
Structural steel erection contractor	4 428 034	2
Stucco contractor	744 308	10
Subdividing and preparing land owned by others	463 617	6
Swimming pool contractor	3 181 261	3
Telecommunications installation and service	9 723 523	2
Terrazzo contractor	187 965	4
Test boring or core drilling contractor for construction	542 493	4
Tile contractor	2 824 892	2
Tinting glass contractor	91 736	13
Traffic lane painting contractor	620 332	5
Waterproofing, dampproofing and fireproofing contractor	1 848 773	2
Water well drilling contractor	2 151 094	2
Welding contractor, operating at site of construction	1 014 760	4
Wrecking and demolition contractor, buildings and other structures	1 880 220	1
Other miscellaneous construction (special case) activities	2 834 928	2
Other construction activities, nec	375 893	3
Other business activities secondary to construction activities, total	12 502 471	2
Architectural services, secondary to construction activities	285 479	6
Asbestos abatement and lead paint removal contractor, secondary to construction activities	245 200	4
Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities	1 227 123	10
Engineering services, secondary to construction activities	705 784	5
Manufacturing—products manufactured and sold to others, secondary to construction activities	1 785 091	3
Mining—minerals produced and sold to others, secondary to construction activities	555 257	5
Other business activities, secondary to construction activities, nec	1 659 193	2
Real estate commissions and property management fees, secondary to construction activities	647 602	4
Rental of construction machinery or equipment to others, without an operator, secondary to construction activities	480 525	2
Rental or lease of properties, secondary to construction activities	717 136	4
Retail trade, secondary to construction activities	2 628 044	3
Transportation of goods for others, secondary to construction activities	637 505	4
Wholesale trade, secondary to construction activities	928 533	4
Kind of business activity, nsk	5 226 100	2
233, Building, developing, & general contracting		
Total	386 925 952	Z
Building, developing, and general contracting, total	374 391 535	Z
Building construction on land owned by others—general contractor or design-builder	213 108 701	1
Building construction on land owned by you, for sale	70 836 823	1
Construction management—buildings	24 225 904	1
Remodeling—general contractor or design-builder	51 854 928	1
Subdividing/developing land owned by you into lots for sale	14 365 178	1
Heavy construction, total	1 109 394	3
Blasting contractor, except building demolition	D	D
Cable and conduit laying contractor	\$42 694	72
Dredging contractor	D	D
Excavation work, earthmoving or land clearing contractor, not connected with buildings	95 376	4
Heavy construction contractor	664 579	2
Highway and street general contractor	176 999	6
Paving contractor—asphalt or concrete for highways, streets, or airport runways	82 979	3
Pile driving contractor	\$1 206	62
Rental of construction machinery or equipment to others, with an operator	39 515	8
Trenching contractor	3 781	19
Special trade contractors, total	3 033 102	2
Acoustical contractor	D	D
Architectural sheet metal contractor, including gutters and downspouts	4 907	27
Asphalt contractor, private driveways and parking areas	7 008	34
Bridge painting contractor	D	D
Building sprinkler system installation contractor	483	29
Carpentry contractor	124 574	5
Carpet laying or removal contractor	7 946	15
Computer flooring installation contractor	D	D
Concrete breaking and cutting contractor	D	D
Concrete contractor, except paving of roads, highways, and streets	188 322	7
Culvert and curb contractor	1 879	11
Curtain wall installation contractor	\$1 954	59
Drywall contractor	D	D
Electric power installation and service contractor, including lighting	95 283	14
Electronic control systems installation and service, except environmental control	3 748	Z
Elevator installation, service, and repair contractor	D	D
Environmental control systems installation and service contractor	2 138	14
Excavation work: earthmoving or land clearing contractor, connected with buildings	1 573 447	2
Fence construction contractor	8 918	16
Fire and security systems installation and service	17 984	18
Flooring contractor, wood	5 683	9
Foundation contractor: brick, block, or stone	3 770	27
Foundation contractor, concrete	38 544	21
Foundation contractor, digging of	\$3 305	56
Framing contractor	D	D
Garage door and overhead door installation contractor	4 755	34
Glass and glazing contractor	D	D
Heating, ventilation and air-conditioning contractor (HVAC)	45 469	14
Highway lighting and signal installation and service	D	D
House moving contractor	1 387	6
Insulation contractor	S	S
Insulation contractor, pipe and duct work	7 129	14
Lathing contractor	D	D
Lawn sprinkler installation contractor	8 541	4
Marble, granite, and slate contractor: interior	S	S
Masonry contractor: brick or block	46 239	27
Masonry contractor: pointing, cleaning, or caulking	D	D
Mechanical contractor	47 521	7
Millwright and machine rigging contractor	140 219	1

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kinds of business activities	Dollar value of business done	Relative standard error of estimate (percent)
23, CONSTRUCTION—Con.		
233, Building, developing, & general contracting—Con.		
Special trade contractors, total—Con.		
Modular furniture systems attachment and installation contractor	13 002	Z
Mosaic contractor	S	S
Ornamental metal contractor	D	D
Paint and wallpaper removal contractor	S	S
Painting contractor	64 439	11
Paper hanging and wall covering contractor	6 473	18
Plastering contractor	884	48
Plumbing contractor	30 954	15
Precast concrete installation contractor	5 119	34
Refractory brick contractor	D	D
Refrigeration contractor	8 474	11
Reinforcing steel contractor	627	12
Resilient floor laying contractor	S	S
Roofing contractor	D	D
Sandblasting contractor, building exteriors	S	S
Scaffolding contractor	D	D
Septic system installation contractor	12 450	60
Service station equipment installation contractor	14 804	8
Sheet metal contractor, except HVAC and plumbing	D	D
Shotcrete contractor	D	D
Siding contractor	D	D
Specialty sheet metal contractor, including decking and metal ceilings	1 327	43
Steamfitting and piping contractor	3 831	Z
Steel framing contractor	9 862	2
Stonework contractor	411	30
Storage tanks, metal erection contractor	3 100	18
Structural steel erection contractor	28 109	4
Stucco contractor	D	D
Subdividing and preparing land owned by others	1 396	Z
Swimming pool contractor	12 939	45
Telecommunications installation and service	18 330	11
Test boring or core drilling contractor for construction	574	42
Tile contractor	S	S
Tinting glass contractor	507	7
Traffic lane painting contractor	D	D
Waterproofing, dampproofing and fireproofing contractor	14 855	8
Water well drilling contractor	2 634	38
Welding contractor, operating at site of construction	S	S
Wrecking and demolition contractor, buildings and other structures	10 624	6
Other miscellaneous construction (special case) activities	14 007	9
Other construction activities, nec	131 717	2
Other business activities secondary to construction activities, total	4 852 467	3
Architectural services, secondary to construction activities	276 834	6
Asbestos abatement and lead paint removal contractor, secondary to construction activities	34 826	28
Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities	1 157 210	11
Engineering services, secondary to construction activities	226 659	3
Manufacturing—products manufactured and sold to others, secondary to construction activities	267 110	14
Mining—minerals produced and sold to others, secondary to construction activities	S	S
Other business activities, secondary to construction activities, nec	951 745	2
Real estate commissions and property management fees, secondary to construction activities	617 083	4
Rental of construction machinery or equipment to others, without an operator, secondary to construction activities	19 765	2
Rental or lease of properties, secondary to construction activities	659 260	4
Retail trade, secondary to construction activities	475 685	12
Transportation of goods for others, secondary to construction activities	72 618	14
Wholesale trade, secondary to construction activities	68 062	15
Kind of business activity, nsk	3 407 740	2
234, Heavy construction		
Total	130 794 520	Z
Building, developing, and general contracting, total	1 046 363	3
Building construction on land owned by others—general contractor or design-builder	910 525	3
Building construction on land owned by you, for sale	8 076	42
Remodeling—general contractor or design-builder	115 264	8
Subdividing/developing land owned by you into lots for sale	12 497	19
Heavy construction, total	122 410 455	1
Blasting contractor, except building demolition	D	D
Cable and conduit laying contractor	4 521 346	3
Construction management—heavy construction	2 237 555	4
Dredging contractor	860 813	6
Excavation work, earthmoving or land clearing contractor, not connected with buildings	11 116 651	2
Heavy construction contractor	54 265 917	1
Highway and street general contractor	29 273 716	1
Paving contractor—asphalt or concrete for highways, streets, or airport runways	15 117 356	2
Pile driving contractor	1 049 110	7
Pipe jacking/microtunneling contractor	D	D
Rental of construction machinery or equipment to others, with an operator	2 626 601	3
Trenching contractor	780 454	7
Special trade contractors, total	3 972 170	2
Acoustical contractor	D	D
Antenna contractor, except household type	5 127	4
Asphalt contractor, private driveways and parking areas	812 490	5
Bridge painting contractor	D	D
Building sprinkler system installation contractor	2 184	5
Cable television contractor	D	D
Carpentry contractor	18 509	30
Computer flooring installation contractor	D	D
Concrete breaking and cutting contractor	D	D
Concrete contractor, except paving of roads, highways, and streets	184 695	16

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kinds of business activities	Dollar value of business done	Relative standard error of estimate (percent)
23, CONSTRUCTION—Con.		
234, Heavy construction—Con.		
Special trade contractors, total—Con.		
Culvert and curb contractor	158 052	9
Curtain wall installation contractor	1 442	36
Dismantling steel oil tanks contractor, except oil field work	2 932	Z
Drywall contractor	D	D
Electric power installation and service contractor, including lighting	41 554	12
Electronic control systems installation and service, except environmental control	9 076	1
Elevator installation, service, and repair contractor	D	D
Environmental control systems installation and service contractor	15 499	37
Escalator installation, service, and repair contractor	3 156	34
Excavation work: earthmoving or land clearing contractor, connected with buildings	1 770 272	3
Fence construction contractor	29 003	31
Fire and security systems installation and service	*152	65
Foundation contractor: brick, block, or stone	S	S
Foundation contractor, concrete	48 459	5
Foundation contractor, digging of	87 528	7
Framing contractor	D	D
Glass and glazing contractor	D	D
Heating, ventilation and air-conditioning contractor (HVAC)	6 135	2
Highway lighting and signal installation and service	D	D
House moving contractor	S	S
Insulation contractor, pipe and duct work	25 513	1
Lawn sprinkler installation contractor	3 062	16
Masonry contractor: brick or block	3 305	37
Masonry contractor: pointing, cleaning, or caulking	D	D
Mechanical contractor	41 145	22
Millwright and machine rigging contractor	54 648	3
Ornamental metal contractor	D	D
Paint and wallpaper removal contractor	*405	40
Painting contractor	52 527	22
Plumbing contractor	25 546	5
Precast concrete installation contractor	30 947	10
Refractory brick contractor	D	D
Reinforcing steel contractor	5 667	1
Roofing contractor	D	D
Sandblasting contractor, building exteriors	1 060	18
Scaffolding contractor	D	D
Septic system installation contractor	62 873	32
Service station equipment installation contractor	S	S
Sheet metal contractor, except HVAC and plumbing	D	D
Shotcrete contractor	D	D
Siding contractor	D	D
Steamfitting and piping contractor	D	D
Stonework contractor	*6 853	42
Storage tanks, metal erection contractor	*2 499	67
Structural steel erection contractor	*37 577	45
Stucco contractor	51 214	4
Subdividing and preparing land owned by others	D	D
Swimming pool contractor	47 470	14
Telecommunications installation and service	6 524	10
Test boring or core drilling contractor for construction	28 638	12
Traffic lane painting contractor	8 919	24
Waterproofing, dampproofing and fireproofing contractor	D	D
Water well drilling contractor	1 623	8
Welding contractor, operating at site of construction	S	S
Wrecking and demolition contractor, buildings and other structures	*26 568	42
Other miscellaneous construction (special case) activities	71 119	6
Other miscellaneous construction (special case) activities	32 255	26
Other construction activities, nec	70 865	6
Other business activities secondary to construction activities, total	2 924 157	2
Architectural services, secondary to construction activities	1 770	9
Asbestos abatement and lead paint removal contractor, secondary to construction activities	11 379	14
Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities	6 980	6
Engineering services, secondary to construction activities	219 224	14
Manufacturing—products manufactured and sold to others, secondary to construction activities	832 872	3
Mining—minerals produced and sold to others, secondary to construction activities	465 670	5
Other business activities, secondary to construction activities, nec	210 866	4
Real estate commissions and property management fees, secondary to construction activities	S	S
Rental of construction machinery or equipment to others, without an operator, secondary to construction activities	307 075	3
Rental or lease of properties, secondary to construction activities	S	S
Retail trade, secondary to construction activities	390 717	3
Transportation of goods for others, secondary to construction activities	258 765	6
Wholesale trade, secondary to construction activities	180 176	4
Kind of business activity, nsk	370 385	13
235, Special trade contractors		
Total	340 860 576	Z
Building, developing, and general contracting, total	1 159 824	3
Building construction on land owned by others—general contractor or design-builder	608 031	4
Building construction on land owned by you, for sale	56 174	19
Construction management—buildings	99 227	3
Remodeling—general contractor or design-builder	353 358	5
Subdividing/developing land owned by you into lots for sale	43 032	20
Heavy construction, total	4 084 694	3
Blasting contractor, except building demolition	8 860	24
Cable and conduit laying contractor	52 097	14
Dredging contractor	D	D
Excavation work, earthmoving or land clearing contractor, not connected with buildings	1 345 732	3
Heavy construction contractor	888 081	6
Highway and street general contractor	604 974	6
Paving contractor—asphalt or concrete for highways, streets, or airport runways	955 923	7
Pile driving contractor	22 539	9
Pipe jacking/microtunneling contractor	D	D
Rental of construction machinery or equipment to others, with an operator	155 647	5
Trenching contractor	47 596	12

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kinds of business activities	Dollar value of business done	Relative standard error of estimate (percent)
23, CONSTRUCTION—Con.		
235, Special trade contractors—Con.		
Special trade contractors, total	329 268 930	Z
Acoustical contractor	2 409 341	3
Antenna contractor, except household type	101 040	15
Architectural sheet metal contractor, including gutters and downspouts	2 217 143	4
Asphalt contractor, private driveways and parking areas	4 889 492	4
Bridge painting contractor	259 418	4
Building sprinkler system installation contractor	4 088 157	3
Cable television contractor	D	D
Carpentry contractor	12 477 896	2
Carpet laying or removal contractor	3 221 746	2
Computer flooring installation contractor	231 428	6
Concrete breaking and cutting contractor	306 489	5
Concrete contractor, except paving of roads, highways, and streets	12 726 149	1
Culvert and curb contractor	1 228 730	5
Curtain wall installation contractor	759 868	3
Dismantling steel oil tanks contractor, except oil field work	136 082	17
Drywall contractor	11 244 892	2
Electric power installation and service contractor, including lighting	44 393 705	1
Electronic control systems installation and service, except environmental control	3 028 031	3
Elevator installation, service, and repair contractor	4 046 632	1
Energy management contractor	651 984	9
Environmental control systems installation and service contractor	1 971 987	4
Escalator installation, service, and repair contractor	315 797	1
Excavation work: earthmoving or land clearing contractor, connected with buildings	9 836 026	2
Fence construction contractor	2 876 454	2
Fire and security systems installation and service	4 065 727	3
Flooring contractor, wood	1 769 934	3
Foundation contractor: brick, block, or stone	1 107 974	4
Foundation contractor, concrete	5 021 427	2
Foundation contractor, digging of	1 268 668	4
Framing contractor	5 394 698	2
Fresco contractor	^s 1 607	56
Garage door and overhead door installation contractor	1 930 589	4
Glass and glazing contractor	3 687 201	1
Heating, ventilation and air-conditioning contractor (HVAC)	32 913 740	1
Highway lighting and signal installation and service	D	D
House moving contractor	170 040	8
Insulation contractor	4 438 746	2
Insulation contractor, pipe and duct work	1 163 805	2
Lathing contractor	D	D
Lawn sprinkler installation contractor	1 121 917	8
Marble, granite, and slate contractor: exterior	282 187	4
Marble, granite, and slate contractor: interior	869 859	3
Masonry contractor: brick or block	8 407 714	2
Masonry contractor: pointing, cleaning, or caulking	825 699	3
Mechanical contractor	16 356 555	2
Millwright and machine rigging contractor	4 444 341	2
Modular furniture systems attachment and installation contractor	725 437	4
Mosaic contractor	3 684	24
Ornamental metal contractor	695 348	4
Paint and wallpaper removal contractor	285 779	6
Painting contractor	10 888 556	1
Paper hanging and wall covering contractor	964 388	3
Plastering contractor	1 948 118	4
Plumbing contractor	22 020 553	2
Precast concrete installation contractor	469 907	5
Radon remediation contractor	17 274	18
Refractory brick contractor	D	D
Refrigeration contractor	2 196 727	6
Reinforcing steel contractor	1 481 401	3
Resilient floor laying contractor	1 265 003	3
Roofing contractor	14 685 981	1
Sandblasting contractor, building exteriors	410 629	5
Scaffolding contractor	632 442	1
Septic system installation contractor	776 969	10
Service station equipment installation contractor	1 217 552	6
Sheet metal contractor, except HVAC and plumbing	4 033 474	2
Ship painting contractor	103 070	1
Shotcrete contractor	D	D
Siding contractor	2 781 858	4
Specialty sheet metal contractor, including decking and metal ceilings	677 954	6
Steamfitting and piping contractor	3 495 803	2
Steel framing contractor	289 379	10
Stonework contractor	801 471	9
Storage tanks, metal, erection contractor	1 130 193	6
Structural steel erection contractor	4 348 710	2
Stucco contractor	735 851	10
Subdividing and preparing land owned by others	414 750	6
Swimming pool contractor	3 161 797	3
Telecommunications installation and service	9 676 555	2
Terrazzo contractor	187 965	4
Test boring or core drilling contractor for construction	533 000	4
Tile contractor	2 814 196	2
Tinting glass contractor	91 229	13
Traffic lane painting contractor	588 968	5
Waterproofing, dampproofing and fireproofing contractor	1 832 296	2
Water well drilling contractor	2 125 607	2
Welding contractor, operating at site of construction	980 140	4
Wrecking and demolition contractor, buildings and other structures	1 798 477	1
Other miscellaneous construction (special case) activities	2 788 666	2
Other construction activities, nec	173 310	5
Other business activities secondary to construction activities, total	4 725 847	2
Architectural services, secondary to construction activities	6 876	9
Asbestos abatement and lead paint removal contractor, secondary to construction activities	198 995	2
Building construction on land owned by you, for rent or lease (investment builder), secondary to construction activities	62 933	4

Table 8. Dollar Value of Business Done for Establishments With Payroll by Kind-of-Business Activity: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kinds of business activities	Dollar value of business done	Relative standard error of estimate (percent)
23, CONSTRUCTION—Con.		
235, Special trade contractors—Con.		
Other business activities secondary to construction activities, total—Con.		
Engineering services, secondary to construction activities	259 901	7
Manufacturing—products manufactured and sold to others, secondary to construction activities	685 109	4
Mining—minerals produced and sold to others, secondary to construction activities	63 977	8
Other business activities, secondary to construction activities, nec	496 582	4
Real estate commissions and property management fees, secondary to construction activities	11 122	8
Rental of construction machinery or equipment to others, without an operator, secondary to construction activities	153 685	5
Rental or lease of properties, secondary to construction activities	38 610	16
Retail trade, secondary to construction activities	1 761 641	4
Transportation of goods for others, secondary to construction activities	306 122	5
Wholesale trade, secondary to construction activities	680 295	5
Kind of business activity, nsk	1 447 975	3

Table 9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Construction work done by establishments located in this state			Construction work done by establishments not located in this state		Construction work done by establishments not reporting		Relative standard error of estimate (percent) for column—		
	Value of construction work done in this state	Number	Value of construction work	Number	Value of construction work	Number	Value of construction work	A	C	E
	A	B	C	D	E	F	G			
23, CONSTRUCTION										
United States	845 543 552	395 528	592 362 578	94 956	85 371 637	258 116	167 809 380	Z	Z	1
Alabama	11 831 782	5 491	7 743 749	1 818	1 459 909	4 025	2 628 124	2	2	3
Alaska	2 951 042	1 268	1 892 532	613	568 088	764	490 421	2	3	6
Arizona	19 818 050	6 573	14 151 570	1 078	2 036 494	4 411	3 629 986	1	1	3
Arkansas	5 299 783	3 327	3 078 862	1 134	1 133 951	2 035	1 086 970	5	8	3
California	91 284 281	34 591	67 880 775	1 495	3 802 634	25 430	19 600 872	Z	1	2
Colorado	18 755 769	9 300	13 915 109	1 276	1 496 996	5 294	3 343 663	1	2	4
Connecticut	10 203 546	5 495	6 747 752	2 047	1 397 226	3 508	2 058 567	1	2	2
Delaware	3 512 877	1 389	2 101 480	1 441	849 118	878	562 280	4	6	3
District of Columbia	3 318 660	164	434 392	2 431	2 578 449	142	305 819	1	2	2
Florida	51 204 302	21 169	35 744 324	2 413	3 439 393	15 347	12 020 585	1	2	3
Georgia	27 519 944	10 047	18 231 195	2 932	2 984 443	7 714	6 304 306	1	2	2
Hawaii*	4 441 264	1 555	3 126 604	275	562 274	766	752 386	1	1	3
Idaho	4 758 411	3 417	2 811 102	1 104	565 419	1 900	1 381 890	2	4	2
Illinois	39 077 115	17 238	29 133 096	3 296	2 583 713	10 628	7 360 305	1	2	3
Indiana	19 124 919	10 404	13 928 279	3 059	2 091 534	5 464	3 105 106	2	2	3
Iowa	8 093 296	5 214	5 760 820	1 945	1 084 626	2 665	1 247 850	2	2	3
Kansas	8 528 799	5 370	5 505 303	2 161	1 610 510	2 719	1 412 985	2	3	5
Kentucky	10 408 841	5 235	6 371 157	3 127	2 050 600	3 612	1 987 085	3	4	4
Louisiana	11 460 359	4 706	7 536 215	1 461	1 447 538	3 068	2 476 605	1	2	2
Maine	2 842 765	2 751	1 924 315	581	324 225	1 489	594 225	3	4	7
Maryland	18 340 057	8 876	11 892 876	2 855	2 553 814	5 570	3 893 367	1	1	3
Massachusetts	19 596 316	8 580	13 674 520	2 561	1 776 397	6 356	4 145 399	1	2	2
Michigan	30 784 553	15 654	23 106 557	1 948	1 791 588	9 731	5 886 407	1	2	2
Minnesota	16 355 008	8 392	12 628 579	1 674	823 159	4 566	2 903 269	1	2	2
Mississippi	6 496 741	2 743	4 104 638	1 602	1 305 115	2 035	1 086 988	2	4	3
Missouri	16 548 981	9 002	11 524 617	2 217	1 640 584	5 951	3 383 780	2	2	2
Montana	2 297 045	2 160	1 554 406	1 385	336 217	1 245	406 421	3	4	2
Nebraska	5 362 569	3 569	3 845 380	1 050	705 750	1 604	811 440	2	3	3
Nevada	14 269 800	2 566	9 509 449	1 525	2 770 222	1 840	1 990 129	1	1	1
New Hampshire	3 153 800	2 343	2 026 262	1 651	597 580	1 294	529 959	3	4	4
New Jersey	24 307 407	12 746	15 530 257	3 184	2 757 063	9 182	6 020 087	1	1	1
New Mexico	5 168 233	2 715	3 380 969	842	728 393	1 947	1 058 871	2	3	7
New York	44 092 425	20 495	30 089 584	3 180	2 907 185	16 164	11 095 656	2	2	2
North Carolina	27 795 455	13 946	18 753 012	3 038	3 643 910	9 946	5 398 533	1	1	2
North Dakota	1 854 198	1 367	1 257 966	615	321 200	658	275 032	2	4	4
Ohio	32 568 900	16 563	24 446 202	3 130	2 681 125	9 447	5 441 573	1	1	2
Oklahoma	6 108 064	4 016	4 212 884	1 184	784 182	2 720	1 110 998	2	3	7
Oregon	13 403 220	7 729	9 789 016	1 578	1 663 696	3 981	1 950 508	1	2	2
Pennsylvania	31 466 614	17 038	22 369 338	4 120	2 203 088	10 343	6 894 187	1	1	3
Rhode Island	3 194 386	1 981	2 492 621	906	245 711	1 068	456 054	2	2	6
South Carolina	12 475 285	5 859	7 200 893	2 984	2 607 092	4 542	2 667 300	2	3	2
South Dakota	2 040 811	1 425	1 315 888	874	463 185	984	261 738	3	4	6
Tennessee	16 581 217	6 921	11 316 623	2 215	2 171 263	4 449	3 093 330	1	2	3
Texas	59 729 934	19 512	43 897 017	2 239	4 109 521	15 725	11 723 396	1	1	2
Utah	8 167 423	4 733	6 040 183	543	633 230	2 508	1 494 009	3	4	2
Vermont	1 471 688	1 618	1 015 072	606	200 107	822	256 508	3	4	8
Virginia	25 126 433	12 484	16 192 786	4 361	4 964 738	6 978	3 968 909	1	1	1
Washington	21 014 074	12 249	15 266 164	1 928	1 807 851	7 552	3 940 060	1	1	7
West Virginia	3 735 889	2 867	1 943 214	1 850	1 032 738	1 618	759 937	2	3	3
Wisconsin	15 824 673	10 255	12 816 273	1 592	700 203	4 704	2 308 197	1	1	3
Wyoming	1 776 595	1 416	1 150 700	832	378 588	713	247 307	3	4	7
233, Building, developing, & general contracting										
United States	381 641 600	114 822	266 721 401	21 938	41 157 571	83 544	73 762 659	Z	1	1
Alabama	5 869 040	1 674	4 042 530	418	494 069	1 152	1 332 441	3	4	6
Alaska	1 109 015	360	700 066	98	199 143	306	209 805	2	3	2
Arizona	10 129 554	1 912	6 902 777	308	1 329 690	1 454	1 897 086	1	2	2
Arkansas	2 456 295	905	1 457 652	295	539 287	630	459 356	9	16	5
California	41 769 322	10 092	30 660 554	391	2 159 856	8 900	8 948 912	1	1	2
Colorado	8 938 673	2 516	6 741 132	400	933 178	1 752	1 264 363	2	3	7
Connecticut	4 275 324	1 387	2 850 377	445	655 339	1 090	769 608	3	4	2
Delaware	1 655 068	368	954 928	329	397 122	325	303 017	8	14	2
District of Columbia	1 936 631	55	253 943	645	1 447 789	80	234 899	2	3	2
Florida	26 057 954	5 448	17 797 393	689	2 149 338	4 666	6 111 223	2	3	3
Georgia	14 425 228	3 047	9 634 757	715	1 469 509	2 478	3 320 962	2	3	3
Hawaii*	2 346 160	478	1 535 329	69	297 322	335	513 509	1	1	1
Idaho	2 385 176	971	1 185 690	269	280 324	683	919 163	3	5	3
Illinois	16 485 105	4 686	12 279 888	864	1 266 833	3 515	2 938 385	2	3	5
Indiana	8 341 413	3 093	5 997 694	592	884 078	2 041	1 459 640	5	5	2
Iowa	2 991 793	1 387	2 093 525	421	389 333	918	508 935	3	3	4
Kansas	3 397 275	1 157	2 241 470	448	678 674	785	477 131	4	6	11
Kentucky	4 499 038	1 491	2 803 703	700	931 898	1 052	763 436	6	9	8
Louisiana	3 472 958	1 084	2 141 595	378	507 997	906	823 367	3	5	3
Maine	1 043 624	785	696 453	156	131 928	488	215 243	6	9	5
Maryland	8 348 881	2 911	5 492 441	784	1 340 455	1 930	1 515 985	2	2	6
Massachusetts	8 074 109	2 162	5 526 041	595	778 197	1 939	1 769 871	2	3	3
Michigan	13 454 884	5 018	10 003 486	428	953 281	3 087	2 498 116	2	3	1
Minnesota	7 250 394	2 364	5 653 519	357	336 040	1 399	1 260 835	3	4	2
Mississippi	2 649 504	806	1 945 493	328	382 818	520	321 194	3	4	4
Missouri	7 117 764	2 670	5 000 059	541	684 729	1 799	1 432 976	3	4	3
Montana	800 409	704	529 684	101	107 746	487	162 979	5	8	5
Nebraska	1 993 971	889	1 430 057	194	287 190	438	276 724	5	8	3
Nevada	7 150 084	666	4 862 541	141	1 387 014	739	900 528	1	2	1
New Hampshire	1 463 027	627	887 693	336	294 289	427	281 046	4	6	4

Table 9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Construction work done by establishments located in this state			Construction work done by establishments not located in this state			Construction work done by establishments not reporting			Relative standard error of estimate (percent) for column—		
	Value of construction work done in this state	Number	Value of construction work	Number	Value of construction work	Number	Value of construction work	A	C	E		
	A	B	C	D	E	F	G	A	C	E		
23, CONSTRUCTION—Con.												
233, Building, developing, & general contracting—Con.												
New Jersey	10 903 346	3 447	6 814 192	737	1 429 501	2 715	2 659 653	1	2	2		
New Mexico	2 573 987	1 101	1 713 047	200	309 296	706	551 643	4	5	3		
New York	18 276 640	5 998	12 437 946	684	1 246 144	5 092	4 592 551	4	5	2		
North Carolina	14 044 132	4 097	9 329 603	676	2 045 990	3 085	2 668 538	1	2	2		
North Dakota	539 991	322	347 600	141	108 815	197	83 576	4	6	2		
Ohio	13 898 658	4 755	10 402 957	734	1 172 403	3 073	2 323 298	2	2	3		
Oklahoma	2 352 129	925	1 607 436	245	322 240	691	422 453	4	6	3		
Oregon	6 440 660	2 754	4 806 532	381	667 081	1 517	967 047	3	4	4		
Pennsylvania	12 812 349	5 216	9 436 960	943	854 225	3 236	2 521 164	1	2	3		
Rhode Island	1 864 708	490	1 580 680	172	94 287	388	189 742	3	3	12		
South Carolina	6 175 718	1 768	3 739 507	643	1 291 617	1 396	1 144 594	3	4	3		
South Dakota	853 608	424	634 776	149	154 269	259	64 562	4	5	7		
Tennessee	7 922 771	2 267	5 481 397	547	1 165 617	1 383	1 275 758	2	3	1		
Texas	26 505 110	4 698	19 743 613	538	2 208 942	4 640	4 552 555	2	2	2		
Utah	3 814 682	1 346	2 848 109	153	238 464	970	728 108	4	6	1		
Vermont	662 027	611	497 345	113	73 411	209	91 271	5	6	15		
Virginia	11 693 801	4 128	7 433 745	985	2 592 930	2 256	1 667 127	1	2	2		
Washington	9 983 557	4 384	7 165 576	470	736 239	3 107	2 081 742	2	3	3		
West Virginia	1 147 770	1 167	589 353	352	298 520	729	259 897	3	5	2		
Wisconsin	6 648 948	2 780	5 386 934	305	357 478	1 318	904 536	3	3	4		
Wyoming	639 367	435	421 623	135	95 639	250	122 105	5	8	6		
234, Heavy construction												
United States	127 841 600	27 050	88 130 426	10 302	18 259 041	14 837	20 600 550	1	1	1		
Alabama	2 085 796	649	1 374 407	251	453 962	246	257 426	4	6	4		
Alaska	828 886	181	536 387	73	179 136	91	113 362	3	5	8		
Arizona	2 203 998	373	1 609 545	150	293 043	211	301 409	4	6	8		
Arkansas	1 007 534	346	455 770	154	371 428	219	180 335	7	12	13		
California	12 337 086	1 744	8 910 721	189	969 486	1 438	2 456 878	2	2	4		
Colorado	2 347 445	515	1 589 143	164	271 041	293	487 262	4	6	3		
Connecticut	1 397 124	389	954 338	147	193 843	132	248 943	3	4	6		
Delaware	449 330	78	301 617	196	126 712	30	21 000	3	3	7		
District of Columbia	298 223	15	93 779	81	175 545	5	28 899	1	Z	1		
Florida	6 653 000	1 157	4 538 899	269	523 876	842	1 590 225	2	4	8		
Georgia	3 570 477	809	2 212 099	396	661 142	437	697 236	4	6	4		
Hawaii*	588 890	82	413 616	31	125 166	53	50 307	3	3	9		
Idaho	707 530	302	406 498	129	118 641	120	182 391	7	11	3		
Illinois	4 592 577	899	3 425 423	330	422 649	629	744 505	3	3	2		
Indiana	2 796 644	723	2 109 913	267	429 574	232	257 157	3	4	11		
Iowa	1 653 055	475	1 150 554	233	249 657	215	252 844	4	7	11		
Kansas	1 903 055	463	1 239 014	243	371 535	119	292 506	3	4	2		
Kentucky	1 702 465	527	1 099 853	283	386 207	204	216 405	4	6	4		
Louisiana	3 661 293	387	2 431 160	239	592 368	365	637 765	2	4	4		
Maine	583 755	156	407 933	72	94 289	93	81 533	4	3	20		
Maryland	2 327 123	403	1 439 103	260	482 771	231	405 249	2	5	2		
Massachusetts	3 512 938	633	2 674 072	263	312 749	350	526 117	3	5	2		
Michigan	3 708 311	923	2 750 128	191	378 683	492	579 499	4	5	4		
Minnesota	2 488 572	643	1 898 161	153	199 693	375	390 718	3	4	3		
Mississippi	1 744 968	339	919 834	266	462 622	257	362 512	7	13	7		
Missouri	2 402 233	782	1 667 029	222	365 086	359	370 118	5	7	4		
Montana	669 311	216	439 045	80	163 902	155	66 364	6	10	1		
Nebraska	1 167 337	280	790 243	135	216 955	144	160 138	4	6	9		
Nevada	1 774 168	190	1 144 245	176	477 894	81	152 029	2	3	4		
New Hampshire	482 893	186	315 805	178	130 274	87	36 814	9	13	15		
New Jersey	2 997 944	749	1 988 849	234	499 514	376	509 581	4	5	2		
New Mexico	945 446	142	588 930	120	254 528	103	101 988	7	7	19		
New York	5 460 029	1 380	4 021 061	358	721 983	506	716 984	2	3	5		
North Carolina	3 935 470	918	2 538 138	442	704 636	694	692 695	3	4	3		
North Dakota	543 810	152	356 579	94	111 165	55	76 066	6	11	9		
Ohio	4 840 491	1 073	3 441 901	332	763 170	443	635 419	3	4	1		
Oklahoma	1 263 623	403	806 796	206	264 863	250	191 964	6	7	21		
Oregon	1 948 964	641	1 331 017	147	330 832	219	287 115	3	4	2		
Pennsylvania	4 569 578	1 009	3 163 205	347	392 511	500	1 013 862	2	3	6		
Rhode Island	268 044	130	177 683	42	31 069	34	59 292	6	8	16		
South Carolina	2 023 882	302	853 349	372	578 831	301	591 702	3	9	3		
South Dakota	463 999	161	218 200	114	181 798	94	64 001	8	11	10		
Tennessee	2 564 420	566	1 783 728	228	349 804	301	430 888	3	4	3		
Texas	11 514 690	1 622	8 855 052	280	879 055	1 204	1 780 583	2	2	5		
Utah	1 227 433	255	846 979	102	243 461	104	136 993	3	5	4		
Vermont	214 783	114	120 903	49	63 285	43	30 595	7	7	20		
Virginia	4 079 073	958	2 810 667	339	803 430	294	464 977	2	3	3		
Washington	3 322 852	925	2 764 368	186	255 991	422	302 492	2	3	1		
West Virginia	1 281 282	321	644 234	243	371 438	135	265 610	4	7	5		
Wisconsin	2 170 039	483	1 928 390	145	103 148	244	138 501	3	4	5		
Wyoming	559 734	123	315 373	147	185 533	78	58 828	6	6	12		
235, Special trade contractors												
United States	336 060 352	252 545	235 951 066	62 490	25 810 941	159 126	73 085 530	Z	Z	1		
Alabama	3 876 946	3 168	2 326 813	1 150	511 877	2 626	1 038 257	2	3	4		
Alaska	1 013 141	727	656 079	442	189 808	367	167 254	5	7	15		
Arizona	7 484 498	4 288	5 639 248	620	413 760	2 746	1 431 490	2	2	2		
Arkansas	1 835 955	2 076	1 165 440	685	223 236	1 187	447 279	3	5	9		
California	37 177 874	22 755	28 309 500	915	673 293	15 092	8 195 082	1	1	3		
Colorado	7 469 650	6 269	5 584 835	713	292 777	3 249	1 592 039	2	2	5		
Connecticut	4 531 098	3 719	2 943 038	1 456	548 045	2 285	1 040 016	2	3	4		
Delaware	1 408 480	943	844 935	915	325 283	522	238 262	3	4	7		

Table 9. Value of Construction Work for Establishments With Payroll by Location of Construction Work and Industry Group: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. * Indicates geographic change, but not applicable to this sector. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value of construction work done in this state	Construction work done by establishments located in this state		Construction work done by establishments not located in this state		Construction work done by establishments not reporting		Relative standard error of estimate (percent) for column—		
		Number	Value of construction work	Number	Value of construction work	Number	Value of construction work	A	C	E
		A	B	C	D	E	F	G		
23, CONSTRUCTION—Con.										
235, Special trade contractors—Con.										
District of Columbia	1 083 806	95	86 670	1 704	955 116	57	42 021	3	3	4
Florida	18 493 348	14 564	13 408 033	1 455	766 179	9 840	4 319 137	1	2	4
Georgia	9 524 238	6 198	6 384 339	1 821	853 791	4 799	2 286 109	2	3	5
Hawaii*	1 506 214	988	1 177 659	176	139 786	378	188 770	2	4	10
Idaho	1 665 705	2 145	1 218 914	706	166 454	1 097	280 336	4	6	4
Illinois	17 999 432	11 653	13 427 785	2 102	894 232	6 485	3 677 415	2	2	3
Indiana	7 986 862	6 588	5 820 672	2 200	777 881	3 191	1 388 309	1	2	3
Iowa	3 448 447	3 352	2 516 740	1 291	445 636	1 533	486 072	2	3	4
Kansas	3 228 468	2 749	2 024 819	1 470	560 302	1 815	643 348	4	6	4
Kentucky	4 207 339	3 217	2 467 601	2 143	732 495	2 356	1 007 243	2	4	5
Louisiana	4 326 107	3 236	2 963 460	844	347 173	1 796	1 015 473	3	4	6
Maine	1 215 386	1 811	819 928	353	98 009	908	297 448	3	5	9
Maryland	7 664 053	5 562	4 961 333	1 811	730 588	3 410	1 972 133	2	2	3
Massachusetts	8 009 268	5 785	5 474 407	1 703	685 450	4 068	1 849 411	2	3	3
Michigan	13 621 358	9 714	10 352 943	1 329	459 624	6 152	2 808 792	2	2	5
Minnesota	6 616 041	5 385	5 076 900	1 164	287 426	2 791	1 251 716	2	2	6
Mississippi	2 102 268	1 597	1 239 310	1 008	459 676	1 258	403 282	3	5	5
Missouri	7 028 983	5 550	4 857 529	1 454	590 769	3 793	1 580 686	1	2	4
Montana	827 325	1 241	585 677	204	64 570	604	177 078	4	6	9
Nebraska	2 201 262	2 400	1 625 079	721	201 605	1 021	374 578	3	4	6
Nevada	5 345 549	1 710	3 502 664	1 009	905 314	1 020	937 572	1	2	3
New Hampshire	1 207 880	1 530	822 764	1 137	173 017	779	212 099	4	6	5
New Jersey	10 406 117	8 551	6 727 215	2 213	828 047	6 090	2 850 854	2	2	3
New Mexico	1 648 800	1 473	1 078 992	521	164 568	1 138	405 240	4	7	5
New York	20 355 756	13 117	13 630 577	2 139	939 058	10 565	5 786 120	1	1	4
North Carolina	9 815 853	8 931	6 885 270	1 921	893 284	6 180	2 037 299	1	2	5
North Dakota	770 397	894	553 787	380	101 220	407	115 390	3	5	6
Ohio	13 829 750	10 734	10 601 343	2 064	745 552	5 931	2 482 855	1	2	3
Oklahoma	2 492 312	2 689	1 798 651	733	197 080	1 779	496 581	3	4	4
Oregon	5 013 597	4 334	3 651 468	1 049	665 784	2 245	696 345	2	3	4
Pennsylvania	14 084 686	10 813	9 769 173	2 831	956 352	6 605	3 359 161	1	2	7
Rhode Island	1 061 634	1 361	734 259	692	120 356	646	207 020	3	4	6
South Carolina	4 275 685	3 789	2 608 036	1 968	736 644	2 844	931 005	2	3	4
South Dakota	723 204	840	462 912	610	127 117	631	133 175	4	5	15
Tennessee	6 094 026	4 089	4 051 498	1 439	655 842	2 765	1 386 685	3	4	10
Texas	21 710 134	13 192	15 298 352	1 421	1 021 523	9 881	5 390 259	2	3	3
Utah	3 125 308	3 132	2 345 095	287	151 305	1 434	628 908	4	6	3
Vermont	594 878	894	396 824	443	63 411	570	134 642	3	6	7
Virginia	9 353 559	7 398	5 948 375	3 038	1 568 379	4 429	1 836 804	1	2	3
Washington	7 707 665	6 940	5 336 219	1 272	815 621	4 023	1 555 825	2	2	14
West Virginia	1 306 837	1 378	709 627	1 255	362 780	754	234 430	4	6	5
Wisconsin	7 005 686	6 992	5 500 950	1 141	239 577	3 142	1 265 160	1	2	4
Wyoming	577 494	858	413 704	549	97 417	385	66 373	4	5	11

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								A	B	C
23, CONSTRUCTION										
Total	656 448	5 664 853	174 184 608	845 543 552	233 334 544	612 209 024	383 845 728	Z	Z	Z
Single-establishments companies, total	645 716	4 960 922	145 829 360	687 845 248	175 595 440	512 249 856	317 377 664	Z	Z	Z
Multiestablishment companies, total	10 732	703 930	28 355 254	157 698 272	57 739 112	99 959 168	66 468 060	Z	Z	Z
Corporate, legal form of organization	409 786	4 794 003	154 996 448	733 889 600	206 323 904	527 565 664	330 460 512	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	192 440	545 476	9 661 278	49 505 708	6 394 486	43 111 220	26 755 966	1	1	1
Partnership (noncorporate) legal form of organization	31 136	190 264	5 149 552	37 053 404	12 100 580	24 952 824	16 139 629	2	1	1
Other noncorporate and unknown legal form of organization	23 086	135 110	4 377 329	25 094 876	8 515 571	16 579 305	10 489 629	1	1	1
233, Building, developing, & general contracting										
Total	199 289	1 342 953	42 546 112	381 641 600	182 814 720	198 826 896	120 322 720	Z	Z	Z
Single-establishments companies, total	195 957	1 161 396	34 883 836	297 770 624	135 414 496	162 356 128	95 816 024	Z	Z	Z
Multiestablishment companies, total	3 332	181 557	7 662 276	83 870 984	47 400 216	36 470 764	24 506 692	Z	Z	Z
Corporate, legal form of organization	130 743	1 109 505	36 948 720	327 807 392	160 933 424	166 873 968	100 657 104	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	50 562	127 307	2 231 857	17 019 642	4 530 547	12 489 095	7 174 613	1	1	1
Partnership (noncorporate) legal form of organization	11 150	65 243	1 974 923	23 250 716	10 365 585	12 885 131	8 356 353	3	2	2
Other noncorporate and unknown legal form of organization	6 834	40 897	1 390 609	13 563 858	6 985 168	6 578 690	4 134 645	1	1	1
2331, Land subdivision & land development										
Total	8 186	41 827	1 509 773	13 635 521	3 387 700	10 247 820	9 154 633	1	1	1
Single-establishments companies, total	7 674	32 252	1 098 260	10 335 114	2 431 954	7 903 160	7 045 479	1	1	1
Multiestablishment companies, total	511	9 575	411 513	3 300 407	955 746	2 344 661	2 109 154	Z	Z	Z
Corporate, legal form of organization	6 268	31 852	1 192 158	10 173 156	2 465 623	7 707 534	6 808 823	1	1	1
Individual proprietorship (noncorporate) legal form of organization	327	S	S	S	54 456	S	S	S	S	S
Partnership (noncorporate) legal form of organization	1 323	7 726	238 303	2 586 231	673 331	1 912 901	1 758 672	3	4	4
Other noncorporate and unknown legal form of organization	268	1 558	64 029	678 154	194 291	483 863	452 139	4	3	4
23311, Land subdivision & land development										
Total	8 186	41 827	1 509 773	13 635 521	3 387 700	10 247 820	9 154 633	1	1	1
Single-establishments companies, total	7 674	32 252	1 098 260	10 335 114	2 431 954	7 903 160	7 045 479	1	1	1
Multiestablishment companies, total	511	9 575	411 513	3 300 407	955 746	2 344 661	2 109 154	Z	Z	Z
Corporate, legal form of organization	6 268	31 852	1 192 158	10 173 156	2 465 623	7 707 534	6 808 823	1	1	1
Individual proprietorship (noncorporate) legal form of organization	327	S	S	S	54 456	S	S	S	S	S
Partnership (noncorporate) legal form of organization	1 323	7 726	238 303	2 586 231	673 331	1 912 901	1 758 672	3	4	4
Other noncorporate and unknown legal form of organization	268	1 558	64 029	678 154	194 291	483 863	452 139	4	3	4
2332, Residential building construction										
Total	146 394	629 887	16 731 210	161 286 080	61 161 900	100 124 176	56 374 696	1	1	1
Single-establishments companies, total	145 133	583 804	14 848 670	134 573 472	48 003 340	86 570 128	47 605 728	Z	Z	Z
Multiestablishment companies, total	1 261	46 083	1 882 540	26 712 606	13 158 558	13 554 049	8 768 967	Z	Z	Z
Corporate, legal form of organization	89 702	467 183	13 287 617	128 415 880	49 999 244	78 416 640	43 993 728	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	43 165	100 558	1 714 057	13 222 074	3 331 322	9 890 752	5 512 277	1	1	1
Partnership (noncorporate) legal form of organization	8 061	40 191	1 133 549	13 181 649	5 069 300	8 112 350	4 759 220	4	3	3
Other noncorporate and unknown legal form of organization	5 465	21 955	595 987	6 466 477	2 762 036	3 704 441	2 109 470	2	1	1
23321, Single-family housing construction										
Total	138 850	570 990	14 964 583	146 798 768	53 996 600	92 802 168	52 585 924	1	1	1
Single-establishments companies, total	137 736	531 639	13 320 984	121 803 360	41 768 868	80 034 496	44 192 016	Z	Z	Z
Multiestablishment companies, total	1 113	39 352	1 643 600	24 995 408	12 227 732	12 767 677	8 393 906	Z	Z	Z
Corporate, legal form of organization	84 437	421 400	11 905 840	117 218 152	44 394 332	72 823 816	41 099 532	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	41 735	96 439	1 621 178	12 712 699	3 174 328	9 538 371	5 284 123	1	1	1
Partnership (noncorporate) legal form of organization	7 567	34 934	967 371	11 284 487	4 118 449	7 166 039	4 321 922	4	3	3
Other noncorporate and unknown legal form of organization	5 110	18 218	470 195	5 583 436	2 309 490	3 273 946	1 880 348	2	1	2

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—											
								A	B	C	D	E	F	G	B	D	F		
23, CONSTRUCTION—Con.																			
233, Building, developing, & general contracting—Con.																			
2332, Residential building construction—Con.																			
23322, Multifamily housing construction																			
Total	7 544	58 896	1 766 627	14 487 308	7 165 301	7 322 008	3 788 773	2	3	3									
Single-establishments companies, total	7 397	52 166	1 527 686	12 770 111	6 234 475	6 535 636	3 413 711	2	3	3									
Multiestablishment companies, total	147	6 731	238 940	1 717 198	930 826	786 372	375 062	Z	Z	Z									
Corporate, legal form of organization	5 265	45 783	1 381 777	11 197 731	5 604 910	5 592 822	2 894 198	2	2	2									
Individual proprietorship (noncorporate) legal form of organization	1 430	4 119	92 879	509 374	156 994	352 380	228 154	8	13	11									
Partnership (noncorporate) legal form of organization	494	5 256	166 179	1 897 162	950 851	946 311	437 298	16	18	20									
Other noncorporate and unknown legal form of organization	355	3 737	125 792	883 041	452 546	430 494	229 122	4	1	2									
2333, Nonresidential building construction																			
Total	44 710	671 239	24 305 128	206 720 016	118 265 120	88 454 896	54 793 388	Z	1	1									
Single-establishments companies, total	43 150	545 340	18 936 904	152 862 048	84 979 208	67 882 832	41 164 816	1	1	1									
Multiestablishment companies, total	1 560	125 899	5 368 223	53 857 972	33 285 914	20 572 056	13 628 572	Z	Z	Z									
Corporate, legal form of organization	34 772	610 471	22 468 948	189 218 368	108 468 560	80 749 808	49 854 552	Z	Z	Z									
Individual proprietorship (noncorporate) legal form of organization	7 070	26 057	502 517	3 599 589	1 144 769	2 454 820	1 527 336	4	5	5									
Partnership (noncorporate) legal form of organization	1 766	17 327	603 071	7 482 835	4 622 954	2 859 881	1 838 461	4	2	4									
Other noncorporate and unknown legal form of organization	1 101	17 384	730 593	6 419 228	4 028 841	2 390 387	1 573 037	2	1	2									
23331, Mfg & industrial building construction																			
Total	7 280	143 066	5 128 967	33 514 342	16 312 262	17 202 078	10 429 844	1	1	1									
Single-establishments companies, total	7 044	107 437	3 654 660	24 632 170	11 870 364	12 761 805	7 636 604	1	2	2									
Multiestablishment companies, total	236	35 629	1 474 307	8 882 172	4 441 898	4 440 274	2 793 240	Z	Z	Z									
Corporate, legal form of organization	5 863	132 513	4 825 190	30 939 380	15 087 386	15 851 994	9 597 055	1	1	1									
Individual proprietorship (noncorporate) legal form of organization	1 052	4 092	70 511	494 521	111 645	382 877	248 444	9	11	11									
Partnership (noncorporate) legal form of organization	239	2 213	65 059	661 110	345 623	315 487	178 467	4	2	2									
Other noncorporate and unknown legal form of organization	126	4 248	168 207	1 419 331	767 609	651 722	405 877	2	1	1									
23332, Commercial & institutional building construction																			
Total	37 430	528 173	19 176 160	173 205 680	101 952 864	71 252 816	44 363 544	1	1	1									
Single-establishments companies, total	36 106	437 903	15 282 245	128 229 880	73 108 840	55 121 032	33 528 212	1	1	1									
Multiestablishment companies, total	1 324	90 270	3 893 916	44 975 800	28 844 016	16 131 783	10 835 332	Z	Z	Z									
Corporate, legal form of organization	28 910	477 958	17 643 758	158 278 992	93 381 176	64 897 812	40 257 496	1	1	1									
Individual proprietorship (noncorporate) legal form of organization	6 018	21 966	432 005	3 105 068	1 033 125	2 071 943	1 278 892	4	5	6									
Partnership (noncorporate) legal form of organization	1 527	15 114	538 012	6 821 725	4 277 331	2 544 394	1 659 994	4	2	4									
Other noncorporate and unknown legal form of organization	975	13 136	562 386	4 999 896	3 261 232	1 738 665	1 167 160	2	1	3									
234, Heavy construction																			
Total	42 557	880 400	30 291 850	127 841 600	22 202 246	105 639 352	68 775 976	1	1	1									
Single-establishments companies, total	40 616	657 301	21 536 766	91 813 376	15 732 321	76 081 056	49 023 092	1	1	1									
Multiestablishment companies, total	1 941	223 099	8 755 084	36 028 220	6 469 926	29 558 296	19 752 886	Z	Z	Z									
Corporate, legal form of organization	30 682	796 158	27 785 196	115 511 496	19 987 448	95 524 048	61 949 668	1	1	1									
Individual proprietorship (noncorporate) legal form of organization	8 401	29 505	596 737	2 924 945	202 966	2 721 978	1 932 475	5	5	5									
Partnership (noncorporate) legal form of organization	2 115	32 257	1 083 997	5 294 891	1 100 782	4 194 109	2 776 416	3	2	3									
Other noncorporate and unknown legal form of organization	1 359	22 480	825 919	4 110 265	911 049	3 199 216	2 117 421	2	1	1									
2341, Highway, street, bridge, & tunnel construction																			
Total	12 448	325 743	11 374 786	58 011 324	11 737 238	46 274 084	27 477 466	1	1	1									
Single-establishments companies, total	11 624	249 245	8 420 307	41 290 288	8 181 259	33 109 030	19 705 266	1	1	1									
Multiestablishment companies, total	824	76 498	2 954 479	16 721 037	3 555 980	13 165 057	7 772 201	1	1	1									
Corporate, legal form of organization	9 422	293 183	10 367 927	52 257 516	10 323 733	41 933 784	24 842 224	1	1	1									
Individual proprietorship (noncorporate) legal form of organization	1 993	8 775	179 812	947 980	S	867 872	569 157	10	10	11									
Partnership (noncorporate) legal form of organization	672	14 968	523 834	2 978 953	778 967	2 199 986	1 329 770	5	3	4									
Other noncorporate and unknown legal form of organization	360	8 817	303 214	1 826 873	554 429	1 272 444	736 315	3	2	2									

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								B	D	F
	A	B	C	D	E	F	G	B	D	F
23, CONSTRUCTION—Con.										
234, Heavy construction—Con.										
2341, Highway, street, bridge, & tunnel construction—Con.										
23411, Highway & street construction										
Total	11 270	277 979	9 527 626	48 472 284	9 370 199	39 102 084	22 983 910	1	1	1
Single-establishments companies, total	10 566	216 317	7 203 823	35 200 168	6 736 053	28 464 114	16 829 420	1	1	1
Multiestablishment companies, total	704	61 662	2 323 804	13 272 116	2 634 147	10 637 969	6 154 490	1	1	1
Corporate, legal form of organization	8 390	251 810	8 763 982	44 129 556	8 468 223	35 661 332	20 866 412	1	1	1
Individual proprietorship (noncorporate) legal form of organization	1 933	8 398	170 149	899 316	S	823 236	542 092	10	11	11
Partnership (noncorporate) legal form of organization	606	10 681	354 787	2 089 908	513 050	1 576 859	987 653	8	5	5
Other noncorporate and unknown legal form of organization	341	7 090	238 709	1 353 502	312 845	1 040 657	587 754	3	2	3
23412, Bridge & tunnel construction										
Total	1 177	47 764	1 847 160	9 539 041	2 367 039	7 172 002	4 493 556	2	2	2
Single-establishments companies, total	1 057	32 928	1 216 485	6 090 120	1 445 206	4 644 914	2 875 845	3	3	3
Multiestablishment companies, total	120	14 837	630 675	3 448 921	921 833	2 527 088	1 617 711	Z	Z	Z
Corporate, legal form of organization	1 032	41 373	1 603 945	8 127 962	1 855 510	6 272 452	3 975 813	3	2	2
Individual proprietorship (noncorporate) legal form of organization	60	377	⁹ 663	48 663	⁴ 028	44 636	27 065	36	35	34
Partnership (noncorporate) legal form of organization	66	4 287	169 047	889 045	265 918	623 127	342 117	1	1	1
Other noncorporate and unknown legal form of organization	19	1 727	64 505	473 371	241 584	231 787	148 561	Z	Z	Z
2349, Other heavy construction										
Total	30 109	554 657	18 917 064	69 830 272	10 465 008	59 365 264	41 298 512	1	1	1
Single-establishments companies, total	28 993	408 056	13 116 459	50 523 088	7 551 063	42 972 024	29 317 826	1	1	1
Multiestablishment companies, total	1 117	146 601	5 800 605	19 307 184	2 913 946	16 393 239	11 980 686	Z	Z	Z
Corporate, legal form of organization	21 259	502 975	17 417 270	63 253 980	9 663 716	53 590 264	37 107 440	1	1	1
Individual proprietorship (noncorporate) legal form of organization	6 408	20 730	416 925	1 976 965	122 858	1 854 107	1 363 318	5	5	5
Partnership (noncorporate) legal form of organization	1 443	17 289	560 163	2 315 938	321 815	1 994 123	1 446 646	4	4	4
Other noncorporate and unknown legal form of organization	999	13 663	522 706	2 283 392	356 619	1 926 772	1 381 106	2	1	1
23491, Water, sewer, & pipeline construction										
Total	8 042	162 566	5 522 281	22 204 058	3 077 320	19 126 738	12 280 098	2	2	2
Single-establishments companies, total	7 841	145 902	4 865 217	19 620 342	2 715 645	16 904 696	10 813 296	2	2	2
Multiestablishment companies, total	201	16 664	657 064	2 583 717	361 675	2 222 042	1 466 802	Z	Z	Z
Corporate, legal form of organization	6 267	150 063	5 154 359	20 668 510	2 928 699	17 739 812	11 352 504	2	2	2
Individual proprietorship (noncorporate) legal form of organization	1 214	4 974	105 399	533 983	28 651	505 331	346 881	13	15	15
Partnership (noncorporate) legal form of organization	342	4 160	146 359	595 388	82 037	513 351	327 555	11	12	11
Other noncorporate and unknown legal form of organization	218	3 369	116 164	406 177	37 933	368 245	253 158	4	4	4
23492, Power & communication transmission line construction										
Total	3 300	74 050	2 387 432	7 849 436	1 107 492	6 741 945	5 201 423	2	2	2
Single-establishments companies, total	3 077	52 010	1 586 411	5 219 429	777 943	4 441 486	3 461 866	3	3	3
Multiestablishment companies, total	223	22 040	801 021	2 630 007	329 548	2 300 459	1 739 557	1	1	1
Corporate, legal form of organization	2 395	67 888	2 191 303	7 042 200	1 020 628	6 021 572	4 693 860	2	2	2
Individual proprietorship (noncorporate) legal form of organization	625	2 430	44 260	180 840	11 699	169 141	131 983	23	19	19
Partnership (noncorporate) legal form of organization	158	1 081	32 162	127 999	25 075	102 924	78 497	12	11	10
Other noncorporate and unknown legal form of organization	122	2 651	119 706	498 398	50 089	448 308	297 082	2	1	2
23493, Industrial nonbuilding structure construction										
Total	531	98 555	3 722 363	9 255 216	1 125 561	8 129 656	6 288 698	2	1	1
Single-establishments companies, total	390	33 611	1 110 457	2 662 062	378 774	2 283 288	1 739 632	5	4	4
Multiestablishment companies, total	141	64 944	2 611 906	6 593 155	746 787	5 846 368	4 549 066	Z	Z	Z
Corporate, legal form of organization	419	92 325	3 497 377	8 505 339	1 037 221	7 468 118	5 739 873	2	1	1
Individual proprietorship (noncorporate) legal form of organization	⁷ 7	S	S	S	⁴ 378	S	S	S	S	S
Partnership (noncorporate) legal form of organization	19	4 255	151 250	495 002	33 055	461 947	403 277	1	Z	1
Other noncorporate and unknown legal form of organization	16	1 614	66 102	228 207	50 906	177 301	120 059	Z	Z	Z

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								B	D	F
	A	B	C	D	E	F	G	B	D	F
23, CONSTRUCTION—Con.										
234, Heavy construction—Con.										
2349, Other heavy construction—Con.										
23499, All other heavy construction										
Total	18 236	219 486	7 284 989	30 521 562	5 154 637	25 366 926	17 528 292	1	1	1
Single-establishments companies, total	17 685	176 533	5 554 375	23 021 256	3 678 701	19 342 556	13 303 032	2	2	2
Multiestablishment companies, total	552	42 953	1 730 614	7 500 306	1 475 936	6 024 370	4 225 261	Z	Z	Z
Corporate, legal form of organization	12 177	192 700	6 574 232	27 037 930	4 677 167	22 360 762	15 321 206	1	1	1
Individual proprietorship (noncorporate) legal form of organization	4 493	12 965	259 632	1 235 474	78 130	1 157 344	858 964	5	5	5
Partnership (noncorporate) legal form of organization	923	7 793	230 392	1 097 549	181 648	915 901	637 317	6	7	7
Other noncorporate and unknown legal form of organization	643	6 028	220 733	1 150 609	217 691	932 918	710 806	4	2	2
235, Special trade contractors										
Total	414 602	3 441 500	101 346 648	336 060 352	28 317 580	307 742 752	194 747 056	Z	Z	Z
Single-establishments companies, total	409 142	3 142 225	89 408 760	298 261 280	24 448 610	273 812 672	172 538 560	Z	Z	Z
Multiestablishment companies, total	5 460	299 274	11 937 894	37 799 076	3 868 969	33 930 104	22 208 482	Z	Z	Z
Corporate, legal form of organization	248 362	2 888 339	90 262 536	290 570 688	25 403 040	265 167 632	167 853 744	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	133 477	388 664	6 832 685	29 561 120	1 660 972	27 900 148	17 648 878	1	1	1
Partnership (noncorporate) legal form of organization	17 871	92 764	2 090 631	8 507 798	634 213	7 873 586	5 006 861	2	2	2
Other noncorporate and unknown legal form of organization	14 893	71 732	2 160 801	7 420 753	619 354	6 801 399	4 237 563	2	1	1
2351, Plumbing, heating, & air-conditioning contractors										
Total	84 876	788 930	25 720 160	87 330 176	8 833 796	78 496 384	46 576 808	1	1	1
Single-establishments companies, total	83 780	708 126	22 108 292	75 394 520	6 895 155	68 499 360	40 423 228	1	Z	1
Multiestablishment companies, total	1 096	80 805	3 611 868	11 935 660	1 938 641	9 997 019	6 153 580	Z	Z	Z
Corporate, legal form of organization	56 830	698 931	23 718 324	78 383 576	8 391 226	69 992 344	41 925 080	1	Z	Z
Individual proprietorship (noncorporate) legal form of organization	22 378	61 781	1 166 742	5 794 247	159 802	5 634 444	3 126 219	2	3	3
Partnership (noncorporate) legal form of organization	2 817	16 417	418 608	1 792 721	157 162	1 635 559	930 493	7	6	6
Other noncorporate and unknown legal form of organization	2 851	11 802	416 485	1 359 638	125 605	1 234 033	595 016	5	3	4
23511, Plumbing, heating, & air-conditioning contractors										
Total	84 876	788 930	25 720 160	87 330 176	8 833 796	78 496 384	46 576 808	1	1	1
Single-establishments companies, total	83 780	708 126	22 108 292	75 394 520	6 895 155	68 499 360	40 423 228	Z	Z	Z
Multiestablishment companies, total	1 096	80 805	3 611 868	11 935 660	1 938 641	9 997 019	6 153 580	Z	Z	Z
Corporate, legal form of organization	56 830	698 931	23 718 324	78 383 576	8 391 226	69 992 344	41 925 080	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	22 378	61 781	1 166 742	5 794 247	159 802	5 634 444	3 126 219	2	2	2
Partnership (noncorporate) legal form of organization	2 817	16 417	418 608	1 792 721	157 162	1 635 559	930 493	7	6	6
Other noncorporate and unknown legal form of organization	2 851	11 802	416 485	1 359 638	125 605	1 234 033	595 016	5	3	4
2352, Painting & wall covering contractors										
Total	37 480	195 331	4 543 495	13 015 683	966 104	12 049 579	8 787 438	1	1	1
Single-establishments companies, total	37 351	189 119	4 367 097	12 561 000	934 514	11 626 486	8 507 465	1	1	1
Multiestablishment companies, total	129	6 213	176 399	454 683	31 590	423 093	279 973	Z	Z	Z
Corporate, legal form of organization	17 411	137 037	3 602 045	9 795 561	781 145	9 014 416	6 554 762	1	1	1
Individual proprietorship (noncorporate) legal form of organization	16 068	45 132	714 755	2 450 949	134 429	2 316 520	1 686 124	2	2	2
Partnership (noncorporate) legal form of organization	1 910	7 939	136 131	478 574	19 934	458 640	357 141	7	6	6
Other noncorporate and unknown legal form of organization	2 091	5 224	90 564	290 598	*30 596	260 002	189 412	7	6	6
23521, Painting & wall covering contractors										
Total	37 480	195 331	4 543 495	13 015 683	966 104	12 049 579	8 787 438	1	1	1
Single-establishments companies, total	37 351	189 119	4 367 097	12 561 000	934 514	11 626 486	8 507 465	1	1	1
Multiestablishment companies, total	129	6 213	176 399	454 683	31 590	423 093	279 973	Z	Z	Z
Corporate, legal form of organization	17 411	137 037	3 602 045	9 795 561	781 145	9 014 416	6 554 762	1	1	1
Individual proprietorship (noncorporate) legal form of organization	16 068	45 132	714 755	2 450 949	134 429	2 316 520	1 686 124	2	1	1
Partnership (noncorporate) legal form of organization	1 910	7 939	136 131	478 574	19 934	458 640	357 141	8	7	7
Other noncorporate and unknown legal form of organization	2 091	5 224	90 564	290 598	*30 596	260 002	189 412	8	5	6

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								B	D	F
	A	B	C	D	E	F	G	B	D	F
23, CONSTRUCTION—Con.										
235, Special trade contractors—Con.										
2353, Electrical contractors										
Total	61 414	641 985	21 680 036	64 260 292	3 139 188	61 121 104	38 580 524	1	1	1
Single-establishments companies, total	60 527	568 983	18 734 454	55 393 304	2 541 286	52 852 020	33 300 934	1	1	1
Multiestablishment companies, total	887	73 002	2 945 582	8 866 987	597 901	8 269 086	5 279 591	Z	Z	Z
Corporate, legal form of organization	42 821	571 151	19 744 866	57 166 688	2 832 309	54 334 380	34 334 280	1	1	1
Individual proprietorship (noncorporate) legal form of organization	14 727	40 679	855 564	3 387 285	83 050	3 304 234	2 113 294	3	3	3
Partnership (noncorporate) legal form of organization	1 825	10 173	277 889	1 003 392	38 784	964 608	589 623	10	9	9
Other noncorporate and unknown legal form of organization	2 041	19 982	801 718	2 702 928	185 044	2 517 884	1 543 327	2	1	1
23531, Electrical contractors										
Total	61 414	641 985	21 680 036	64 260 292	3 139 188	61 121 104	38 580 524	1	1	1
Single-establishments companies, total	60 527	568 983	18 734 454	55 393 304	2 541 286	52 852 020	33 300 934	Z	Z	Z
Multiestablishment companies, total	887	73 002	2 945 582	8 866 987	597 901	8 269 086	5 279 591	Z	Z	Z
Corporate, legal form of organization	42 821	571 151	19 744 866	57 166 688	2 832 309	54 334 380	34 334 280	Z	Z	Z
Individual proprietorship (noncorporate) legal form of organization	14 727	40 679	855 564	3 387 285	83 050	3 304 234	2 113 294	3	3	3
Partnership (noncorporate) legal form of organization	1 825	10 173	277 889	1 003 392	38 784	964 608	589 623	10	9	9
Other noncorporate and unknown legal form of organization	2 041	19 982	801 718	2 702 928	185 044	2 517 884	1 543 327	2	1	1
2354, Masonry, drywall, insulation, & tile contractors										
Total	49 917	470 701	12 612 114	38 092 892	3 249 485	34 843 408	22 668 938	1	1	1
Single-establishments companies, total	49 352	435 811	11 448 006	34 731 248	3 002 037	31 729 212	20 633 522	Z	1	1
Multiestablishment companies, total	565	34 891	1 164 108	3 361 644	247 448	3 114 196	2 035 415	Z	Z	Z
Corporate, legal form of organization	26 635	382 671	10 999 488	32 258 688	2 831 395	29 427 294	19 094 754	1	1	1
Individual proprietorship (noncorporate) legal form of organization	18 753	63 968	1 095 490	4 011 309	273 533	3 737 776	2 459 553	2	2	2
Partnership (noncorporate) legal form of organization	2 733	15 642	321 244	1 215 421	96 210	1 119 211	733 157	5	6	5
Other noncorporate and unknown legal form of organization	1 796	8 420	195 891	607 476	48 347	559 128	381 473	5	5	5
23541, Masonry & stone contractors										
Total	22 614	164 236	4 068 498	12 231 875	793 398	11 438 477	7 593 673	1	1	1
Single-establishments companies, total	22 493	156 656	3 825 491	11 513 116	749 080	10 764 036	7 157 262	1	1	1
Multiestablishment companies, total	121	7 580	243 007	718 759	44 318	674 441	436 411	Z	Z	Z
Corporate, legal form of organization	10 320	120 956	3 340 619	9 654 050	652 337	9 001 713	5 906 912	1	1	1
Individual proprietorship (noncorporate) legal form of organization	9 900	32 442	520 867	1 849 243	99 219	1 750 024	1 217 517	2	2	2
Partnership (noncorporate) legal form of organization	1 483	7 642	146 209	535 377	31 379	503 999	347 795	7	7	7
Other noncorporate and unknown legal form of organization	912	3 195	60 803	193 204	10 463	182 742	121 449	10	10	10
23542, Drywall, plastering, acoustical, & insulation contractors										
Total	20 457	266 710	7 479 440	22 369 364	2 255 424	20 113 940	13 082 540	1	1	1
Single-establishments companies, total	20 051	241 009	6 620 524	19 887 588	2 058 186	17 829 402	11 582 655	1	1	1
Multiestablishment companies, total	406	25 701	858 916	2 481 777	197 238	2 284 539	1 499 884	Z	Z	Z
Corporate, legal form of organization	12 401	229 680	6 741 543	19 723 626	2 006 313	17 717 314	11 548 349	1	1	1
Individual proprietorship (noncorporate) legal form of organization	6 326	25 323	459 979	1 679 873	153 367	1 526 506	962 016	4	4	4
Partnership (noncorporate) legal form of organization	1 000	6 957	153 334	587 755	59 218	528 538	333 919	7	10	9
Other noncorporate and unknown legal form of organization	730	4 750	124 583	378 110	36 528	341 582	238 256	7	7	6
23543, Tile, marble, terrazzo, & mosaic contractors										
Total	6 847	39 755	1 064 176	3 491 653	200 663	3 290 990	1 992 726	2	2	2
Single-establishments companies, total	6 808	38 145	1 001 991	3 330 545	194 771	3 135 774	1 893 606	2	2	2
Multiestablishment companies, total	38	1 610	62 185	161 108	5 892	155 216	99 120	3	3	3
Corporate, legal form of organization	3 915	32 035	917 326	2 881 011	172 746	2 708 266	1 639 493	2	2	2
Individual proprietorship (noncorporate) legal form of organization	2 527	6 203	114 643	482 193	20 947	461 246	280 020	5	4	4
Partnership (noncorporate) legal form of organization	250	1 043	21 702	92 288	5 614	86 674	51 444	16	19	19
Other noncorporate and unknown legal form of organization	155	474	10 506	36 162	*1 357	34 805	21 769	14	15	14

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								A	B	C
23, CONSTRUCTION—Con.										
235, Special trade contractors—Con.										
2355, Carpentry & floor contractors										
Total	56 936	290 942	7 162 774	26 986 756	2 938 002	24 048 754	14 486 520	1	1	1
Single-establishments companies, total	56 546	279 604	6 807 829	25 617 196	2 806 997	22 810 198	13 811 248	1	1	1
Multiestablishment companies, total	390	11 339	354 945	1 369 560	131 005	1 238 555	675 272	Z	Z	Z
Corporate, legal form of organization	27 345	210 919	5 757 186	20 859 116	2 272 438	18 586 678	11 010 274	1	1	1
Individual proprietorship (noncorporate) legal form of organization	25 097	63 855	1 080 400	4 822 286	541 857	4 280 429	2 735 503	2	2	2
Partnership (noncorporate) legal form of organization	2 727	11 494	237 338	970 681	77 190	893 490	558 316	7	6	6
Other noncorporate and unknown legal form of organization	1 767	S	87 850	334 673	46 517	288 156	182 428	S	6	7
23551, Carpentry contractors										
Total	44 858	230 409	5 490 471	20 311 034	2 304 892	18 006 142	11 031 365	1	2	2
Single-establishments companies, total	44 559	221 685	5 226 551	19 341 304	2 214 220	17 127 084	10 532 792	1	1	2
Multiestablishment companies, total	299	8 724	263 920	969 731	90 672	879 059	498 573	Z	Z	Z
Corporate, legal form of organization	21 377	164 567	4 353 422	15 359 276	1 737 986	13 621 290	8 250 527	1	2	2
Individual proprietorship (noncorporate) legal form of organization	19 819	52 158	871 203	3 926 267	482 477	3 443 790	2 192 450	2	2	2
Partnership (noncorporate) legal form of organization	2 217	9 918	197 477	775 118	49 690	725 427	449 528	6	6	6
Other noncorporate and unknown legal form of organization	1 444	S	68 369	250 374	34 739	215 635	138 861	S	7	7
23552, Floor laying & other floor contractors										
Total	12 078	60 533	1 672 303	6 675 721	633 111	6 042 611	3 455 155	1	1	1
Single-establishments companies, total	11 987	57 918	1 581 278	6 275 892	592 777	5 683 115	3 278 456	1	1	1
Multiestablishment companies, total	91	2 615	91 025	399 829	40 333	359 496	176 699	Z	Z	Z
Corporate, legal form of organization	5 968	46 352	1 403 764	5 499 840	534 451	4 965 388	2 759 747	1	1	1
Individual proprietorship (noncorporate) legal form of organization	5 278	11 697	209 196	896 019	59 380	836 639	543 052	4	4	4
Partnership (noncorporate) legal form of organization	510	1 576	39 861	195 563	27 500	168 063	108 788	10	11	10
Other noncorporate and unknown legal form of organization	323	908	19 481	84 299	11 779	72 521	43 568	20	13	14
2356, Roofing, siding, & sheet metal contractors										
Total	30 557	253 315	6 494 890	23 967 096	1 991 057	21 976 038	13 220 789	1	1	1
Single-establishments companies, total	30 270	241 956	6 109 459	22 666 916	1 842 295	20 824 620	12 469 374	1	1	1
Multiestablishment companies, total	287	11 359	385 431	1 300 180	148 762	1 151 418	751 415	Z	Z	Z
Corporate, legal form of organization	18 442	214 767	5 874 106	20 955 578	1 787 651	19 167 926	11 479 016	1	1	1
Individual proprietorship (noncorporate) legal form of organization	9 730	28 906	436 020	2 144 678	108 042	2 036 635	1 246 049	3	3	3
Partnership (noncorporate) legal form of organization	1 120	4 875	91 335	459 530	30 576	428 954	252 055	10	9	8
Other noncorporate and unknown legal form of organization	1 265	4 767	93 429	407 310	64 788	342 523	243 670	9	7	7
23561, Roofing, siding, & sheet metal contractors										
Total	30 557	253 315	6 494 890	23 967 096	1 991 057	21 976 038	13 220 789	1	1	1
Single-establishments companies, total	30 270	241 956	6 109 459	22 666 916	1 842 295	20 824 620	12 469 374	1	1	1
Multiestablishment companies, total	287	11 359	385 431	1 300 180	148 762	1 151 418	751 415	Z	Z	Z
Corporate, legal form of organization	18 442	214 767	5 874 106	20 955 578	1 787 651	19 167 926	11 479 016	1	1	1
Individual proprietorship (noncorporate) legal form of organization	9 730	28 906	436 020	2 144 678	108 042	2 036 635	1 246 049	3	3	3
Partnership (noncorporate) legal form of organization	1 120	4 875	91 335	459 530	30 576	428 954	252 055	11	9	9
Other noncorporate and unknown legal form of organization	1 265	4 767	93 429	407 310	64 788	342 523	243 670	9	6	7
2357, Concrete contractors										
Total	30 417	262 256	6 858 140	25 848 848	2 245 119	23 603 728	14 159 429	1	1	1
Single-establishments companies, total	30 170	251 073	6 500 492	24 597 972	2 106 274	22 491 698	13 431 143	1	1	1
Multiestablishment companies, total	246	11 184	357 648	1 250 875	138 845	1 112 031	728 287	1	1	1
Corporate, legal form of organization	17 198	210 898	5 938 870	21 709 610	2 034 534	19 675 076	11 781 944	1	1	1
Individual proprietorship (noncorporate) legal form of organization	10 367	36 534	609 875	2 780 496	129 009	2 651 487	1 606 312	3	3	3
Partnership (noncorporate) legal form of organization	1 787	10 990	242 382	1 062 937	69 955	992 982	597 038	7	6	7
Other noncorporate and unknown legal form of organization	1 065	3 833	67 013	295 805	11 621	284 184	174 136	9	10	11

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								B	D	F
	A	B	C	D	E	F	G	B	D	F
23, CONSTRUCTION—Con.										
235, Special trade contractors—Con.										
2357, Concrete contractors—Con.										
23571, Concrete contractors										
Total	30 417	262 256	6 858 140	25 848 848	2 245 119	23 603 728	14 159 429	1	1	1
Single-establishments companies, total	30 170	251 073	6 500 492	24 597 972	2 106 274	22 491 698	13 431 143	1	1	1
Multiestablishment companies, total	246	11 184	357 648	1 250 875	138 845	1 112 031	728 287	1	1	1
Corporate, legal form of organization	17 198	210 898	5 938 870	21 709 610	2 034 534	19 675 076	11 781 944	1	1	1
Individual proprietorship (noncorporate) legal form of organization	10 367	36 534	609 875	2 780 496	129 009	2 651 487	1 606 312	3	3	3
Partnership (noncorporate) legal form of organization	1 787	10 990	242 382	1 062 937	69 955	992 982	597 038	6	6	6
Other noncorporate and unknown legal form of organization	1 065	3 833	67 013	295 805	11 621	284 184	174 136	9	10	10
2358, Water well drilling contractors										
Total	3 862	21 214	576 191	2 191 264	59 380	2 131 884	1 331 018	3	2	2
Single-establishments companies, total	3 769	19 011	495 008	1 912 809	50 010	1 862 799	1 166 744	3	3	2
Multiestablishment companies, total	93	2 204	81 183	278 455	9 370	269 085	164 274	Z	Z	Z
Corporate, legal form of organization	2 344	16 747	486 723	1 746 611	51 000	1 695 611	1 068 599	2	2	2
Individual proprietorship (noncorporate) legal form of organization	1 174	2 818	49 317	294 563	3 001	291 562	179 759	6	6	6
Partnership (noncorporate) legal form of organization	226	1 289	*34 286	122 740	*4 985	117 755	66 887	28	23	22
Other noncorporate and unknown legal form of organization	118	360	5 865	27 349	393	26 956	15 772	18	14	14
23581, Water well drilling contractors										
Total	3 862	21 214	576 191	2 191 264	59 380	2 131 884	1 331 018	3	2	2
Single-establishments companies, total	3 769	19 011	495 008	1 912 809	50 010	1 862 799	1 166 744	3	3	2
Multiestablishment companies, total	93	2 204	81 183	278 455	9 370	269 085	164 274	Z	Z	Z
Corporate, legal form of organization	2 344	16 747	486 723	1 746 611	51 000	1 695 611	1 068 599	2	2	2
Individual proprietorship (noncorporate) legal form of organization	1 174	2 818	49 317	294 563	3 001	291 562	179 759	6	6	6
Partnership (noncorporate) legal form of organization	226	1 289	*34 286	122 740	*4 985	117 755	66 887	28	23	22
Other noncorporate and unknown legal form of organization	118	360	5 865	27 349	393	26 956	15 772	18	13	14
2359, Other special trade contractors										
Total	59 143	516 824	15 698 852	54 367 340	4 895 449	49 471 892	34 935 584	1	1	1
Single-establishments companies, total	57 376	448 545	12 838 122	45 386 308	4 270 043	41 116 264	28 794 910	1	1	1
Multiestablishment companies, total	1 767	68 280	2 860 731	8 981 031	625 406	8 355 625	6 140 676	Z	Z	Z
Corporate, legal form of organization	39 335	445 218	14 140 928	47 695 252	4 421 342	43 273 912	30 605 038	1	1	1
Individual proprietorship (noncorporate) legal form of organization	15 183	44 990	824 522	3 875 309	228 249	3 647 061	2 496 066	2	2	2
Partnership (noncorporate) legal form of organization	2 727	13 945	331 417	1 401 804	139 417	1 262 387	922 152	4	4	4
Other noncorporate and unknown legal form of organization	1 899	12 671	401 985	1 394 975	106 442	1 288 533	912 328	3	2	2
23591, Structural steel erection contractors										
Total	4 238	72 301	2 387 071	8 009 223	792 249	7 216 973	4 863 623	1	2	1
Single-establishments companies, total	4 079	61 100	1 945 441	6 478 723	631 660	5 847 063	3 998 868	2	2	2
Multiestablishment companies, total	159	11 201	441 630	1 530 500	160 589	1 369 911	864 755	1	1	1
Corporate, legal form of organization	3 234	64 556	2 165 382	7 222 493	723 948	6 498 545	4 402 324	1	2	1
Individual proprietorship (noncorporate) legal form of organization	717	2 949	54 098	195 516	12 952	182 565	133 539	11	13	12
Partnership (noncorporate) legal form of organization	173	1 548	38 177	130 872	11 333	119 538	93 024	14	15	16
Other noncorporate and unknown legal form of organization	114	3 248	129 413	460 342	44 016	416 325	234 736	3	2	2
23592, Glass & glazing contractors										
Total	4 714	35 823	1 051 551	3 830 894	95 862	3 735 033	2 123 533	1	1	1
Single-establishments companies, total	4 612	33 894	984 374	3 610 784	90 835	3 519 950	2 000 880	1	1	1
Multiestablishment companies, total	102	1 929	67 177	220 110	5 027	215 083	122 653	Z	Z	Z
Corporate, legal form of organization	3 394	31 596	962 620	3 430 751	89 868	3 340 883	1 893 202	1	1	1
Individual proprietorship (noncorporate) legal form of organization	979	2 921	57 665	259 327	D	D	156 228	8	8	D
Partnership (noncorporate) legal form of organization	272	1 122	26 431	123 706	*3 096	120 610	63 837	14	13	13
Other noncorporate and unknown legal form of organization	69	S	S	S	D	D	S	S	S	D

Table 10. Selected Statistics for Establishments With Payroll by Industry, Legal Form of Organization, and Type of Operation: 1997—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Number establishments	All employees	Payroll, all employees	Value of construction work	Cost of construction work subcontracted to others	Net Value of construction work	Value added	Relative standard error of estimate (percent) for column—		
								B	D	F
	A	B	C	D	E	F	G	B	D	F
23, CONSTRUCTION—Con.										
235, Special trade contractors—Con.										
2359, Other special trade contractors—Con.										
23593, Excavation contractors										
Total	18 229	116 237	3 353 874	13 746 608	1 530 462	12 216 146	9 086 184	2	2	2
Single-establishments companies, total	18 128	112 215	3 180 465	12 984 839	1 431 128	11 553 711	8 552 077	1	2	2
Multiestablishment companies, total	101	4 023	173 409	761 769	99 334	662 435	534 107	Z	Z	Z
Corporate, legal form of organization	11 001	95 551	2 928 008	11 528 858	1 369 393	10 159 465	7 501 488	2	2	2
Individual proprietorship (noncorporate) legal form of organization	5 529	14 907	287 309	1 488 697	96 912	1 391 785	1 047 738	4	4	4
Partnership (noncorporate) legal form of organization	951	3 246	78 183	393 492	34 848	358 644	276 032	8	9	9
Other noncorporate and unknown legal form of organization	747	2 533	60 374	335 561	29 309	306 252	260 927	9	7	7
23594, Wrecking & demolition contractors										
Total	1 542	18 820	592 176	2 164 162	250 269	1 913 892	1 732 366	2	2	2
Single-establishments companies, total	1 482	16 471	505 462	1 817 416	197 564	1 619 851	1 442 367	2	2	2
Multiestablishment companies, total	60	2 349	86 714	346 746	52 705	294 041	289 999	Z	Z	Z
Corporate, legal form of organization	1 176	16 630	540 978	1 951 162	210 303	1 740 860	1 581 377	2	2	2
Individual proprietorship (noncorporate) legal form of organization	241	850	16 352	70 422	D	D	51 091	13	13	D
Partnership (noncorporate) legal form of organization	97	1 058	25 790	104 659	28 349	76 310	71 486	6	9	13
Other noncorporate and unknown legal form of organization	29	S	S	S	D	D	S	S	S	D
23595, Building equip & other machinery installation contractors										
Total	4 489	75 501	3 148 030	9 215 174	609 181	8 605 993	6 616 349	1	1	1
Single-establishments companies, total	3 594	43 487	1 619 723	4 751 724	455 877	4 295 847	3 325 905	2	2	2
Multiestablishment companies, total	895	32 014	1 528 307	4 463 450	153 304	4 310 146	3 290 444	Z	Z	Z
Corporate, legal form of organization	3 667	70 574	2 992 295	8 672 927	570 265	8 102 662	6 256 591	1	1	1
Individual proprietorship (noncorporate) legal form of organization	620	2 216	45 849	221 531	7 235	214 296	128 585	12	17	16
Partnership (noncorporate) legal form of organization	103	927	33 236	127 707	25 300	102 408	82 903	3	2	2
Other noncorporate and unknown legal form of organization	99	1 784	76 651	193 009	6 382	186 628	148 270	1	1	1
23599, All other special trade contractors										
Total	25 932	198 141	5 166 152	17 401 280	1 617 426	15 783 854	10 513 530	1	1	1
Single-establishments companies, total	25 482	181 378	4 602 658	15 742 823	1 462 979	14 279 845	9 474 813	1	1	1
Multiestablishment companies, total	450	16 764	563 494	1 658 457	154 447	1 504 010	1 038 718	Z	Z	Z
Corporate, legal form of organization	16 862	166 310	4 551 647	14 889 061	1 457 566	13 431 495	8 970 056	1	1	1
Individual proprietorship (noncorporate) legal form of organization	7 097	21 148	363 248	1 639 816	102 803	1 537 013	978 887	3	3	3
Partnership (noncorporate) legal form of organization	1 131	6 044	129 600	521 368	36 491	484 877	334 870	7	7	7
Other noncorporate and unknown legal form of organization	841	4 639	121 657	351 035	20 566	330 469	229 717	4	3	3

Appendix A.

Explanation of Terms

ALL EMPLOYEES

Comprise all full-time and part-time employees on the payroll of construction establishments, who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are not. Number of employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.

BEGINNING-OF-YEAR GROSS BOOK VALUE OF DEPRECIABLE ASSETS (\$1,000)

Gross value of depreciable assets, usually original costs of the assets, at the beginning of the year. Depreciable assets are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

BEGINNING-OF-YEAR INVENTORIES OF MATERIALS AND SUPPLIES (\$1,000)

The inventories of materials and supplies owned at the beginning of the reporting year by establishments with payroll. Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials that are owned by others but held by the reporting establishment. Builders who built on their own account for sale were requested to exclude work in progress and finished units not sold from inventories. Inventories of multi-establishment companies were instructed to be reported by the establishment that is responsible for the inventories, even if these inventories were held at a separate location.

CAPITAL EXPENDITURES, OTHER THAN LAND (\$1,000)

Capital expenditures are those that were or will be charged to the fixed assets accounts and for which depreciation accounts are ordinarily maintained. Includes the cost of capital improvements that were made during the year that increased the value of property or adapted it for another use. Capital expenditures for leasehold improvements made to property leased from others are also included. Land expenditures are not included as capital expenditures. If any building or equipment had been acquired under a capital leasing arrangement that meet

the criteria set down by the Financial Accounting Standards Board (FASB), respondents were instructed to report the original cost or market value as a fixed asset and as a capital expenditure, if acquired in the reporting year. If the lease qualified as an operating lease, respondents were instructed not to include the value of the building and equipment as a fixed asset or capital expenditure. If capital expenditures were not recorded directly at the establishment level but handled centrally at a company or division level, respondents were requested to report appropriate estimates for the individual establishments.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS LOCATED IN THIS STATE: NUMBER

Includes the number of establishments physically located and doing construction work in the same state.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS LOCATED IN THIS STATE: VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by establishments physically located and doing construction work in the same state.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS NOT LOCATED IN THIS STATE: NUMBER

Includes the number of establishments not located in the state where the construction work is done. Establishment location is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted with some exceptions. A relatively permanent office is one that has been established for the management of more than one project or job and is expected to be maintained on a continuing basis.

CONSTRUCTION WORK DONE BY ESTABLISHMENT NOT LOCATED IN THIS STATE: VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by establishments not located in the state where the construction work is done. Establishment location is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted with some exceptions. A relatively permanent

office is one that has been established for the management of more than one project or job and is expected to be maintained on a continuing basis.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS NOT REPORTING: NUMBER (\$1,000)

Includes the number of establishments that did not report the state location of construction work on their census forms and establishments that did not complete a construction census form. Data were estimated for establishments that did not complete a census form.

CONSTRUCTION WORK DONE BY ESTABLISHMENTS NOT REPORTING: VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by establishments that did not report the state location of construction work on their census forms and establishments that did not complete a construction census form. Data were estimated for establishments that did not complete a census form.

CONSTRUCTION WORKERS

Includes all payroll workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working foreman level are excluded from this category and are included in the other employees category.

COST OF ALL OTHER FUELS AND LUBRICANTS (\$1,000)

Costs for fuels and lubricants purchased during the year from other companies or received from other establishments of the company and not included as costs in any of these categories: natural gas; manufactured gas; gasoline; and diesel fuel.

COST OF CONSTRUCTION WORK SUBCONTRACTED OUT TO OTHERS (\$1,000)

All costs for construction work subcontracted out to other construction contractors during the reporting year. Excluded from this item are costs to the reporting establishment for its purchases of materials, components, and supplies provided to a subcontractor for use, such costs are reported under costs for materials, components, and supplies. Also excluded are costs for the rental of machinery or equipment.

COST OF ELECTRICITY (\$1,000)

Costs for electric energy purchased during the year from other companies or received from other establishments of the company.

COST OF GASOLINE AND DIESEL FUEL (\$1,000)

Costs for gasoline and diesel fuel purchased during the year from other companies or received from other establishments of the company.

COST OF OFF-HIGHWAY USE OF GASOLINE AND DIESEL FUEL (\$1,000)

Includes the costs for gasoline and diesel fuel purchased during the reporting year for off-highway use. Off-highway fuel use is the use of fuel for trade, business, or income producing activity. In most cases, off-highway fuel use does not include use in a highway vehicle registered or required to be registered for use on public highways.

COST OF ON-HIGHWAY USE OF GASOLINE AND DIESEL FUEL (\$1,000)

Costs for gasoline and diesel fuel purchased during the year to fuel highway vehicles. A highway vehicle is any self-propelled vehicle designed to carry a load over public highways, whether or not also designed to perform other functions. Examples of vehicles designed to carry a load over public highways are passenger automobiles, trucks, and truck tractors. If a vehicle can be used for a combination of on-highway and off-highway uses and has one fuel tank, the fuel use is not considered off-highway. An example of this is a concrete-mixer truck where the truck engine operates both the engine and the mixing unit by a power take-off and is fueled by a single tank. None of the fuel used in this vehicle is off-highway because of the on-highway use. If the vehicle has separate fuel tanks and engines, the fuel in a tank used for non-highway use may be considered off-highway use.

COSTS OF MATERIALS, COMPONENTS, AND SUPPLIES (\$1,000)

Includes the costs for materials, components, and supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities and costs for materials bought and resold to others. Also includes costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use. Supplies include expendable tools which are charged to current accounts. Freight and other direct charges representing only that amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company. Excluded from this item are the cost of fuels, lubricants, electric energy, industrial and other specialized machinery

and equipment such as printing presses; computer systems, that are not an integral part of a structure; and materials furnished to contractors by the owners of projects.

COST OF MATERIALS, COMPONENTS, SUPPLIES, AND FUELS (\$1,000)

Includes the costs for materials, components, supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities and costs for materials bought and resold to others. Also includes the costs for fuels that include gasoline, diesel fuel, and lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company and costs for natural and manufactured gas, fuel oil, coal and coke products. Excluded from this item are industrial and other specialized machinery and equipment, such as printing presses; computer systems, that are not an integral part of a structure; materials furnished to contractors by the owners of projects.

COST OF NATURAL GAS AND MANUFACTURED GAS (\$1,000)

Costs for natural gas and manufactured gas purchased during the year from other companies or received from other establishments of the company.

COST OF REPAIRS TO BUILDING AND OTHER STRUCTURES (\$1,000)

Includes the cost of all repairs made to structures by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain property. It excludes the cost of improvements that increase the value of property or the cost of adapting it for another use. Such costs are included in capital expenditures.

COST OF REPAIRS TO MACHINERY AND EQUIPMENT (\$1,000)

Includes the cost of all repairs made to machinery and equipment by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain the machinery.

COST OF SELECTED POWER, FUELS, AND LUBRICANTS (\$1,000)

Included are costs for fuels including gasoline, diesel fuel, and lubricants, and electric energy purchased during the year from other companies or received from other establishments of the company. Also included are costs for natural gas, manufactured gas, fuel oil, coal and coke products.

DEPRECIATION CHARGES DURING YEAR (\$1,000)

The depreciation expenses of the establishment in the reporting year. These expenses are charged against depreciable assets which are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

DOLLAR VALUE SIZE CLASS

Displays data for establishments with payroll that fall within each range of value of business done.

END-OF-YEAR GROSS BOOK VALUE OF DEPRECIABLE ASSETS (\$1,000)

The gross value of depreciable assets, plus any capital expenditures for new and use depreciable assets in the reporting year, minus the gross value of depreciable assets sold, retired, scrapped, destroyed, etc. in the reporting year.

END-OF-YEAR INVENTORIES OF MATERIALS AND SUPPLIES (\$1,000)

The inventories of materials and supplies owned at the end of the reporting year by establishments with payroll. Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials which are owned by others but held by the reporting establishment. Builders who build on their own account for sale were requested to exclude work in progress and finished units not sold from inventories. Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

FIRST-QUARTER PAYROLL (\$1,000)

Includes the gross earnings paid in the first quarter of the reporting year to all employees on the payroll of construction establishments. The first-quarter payroll period is January through March. Includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

FRINGE BENEFITS (\$1,000)

Includes expenditures made by the employer for legally required and voluntary fringe benefit programs for employees.

LEGALLY REQUIRED EXPENDITURES (\$1,000)

Includes expenditures made by the employer for Social Security contributions, unemployment compensation, workman's compensation, and state temporary disability payments.

NET VALUE OF CONSTRUCTION WORK (\$1,000)

The value of construction work less the cost of construction work subcontracted out to others.

NUMBER OF CONSTRUCTION WORKERS: QUARTERLY PAY PERIOD

Refers to the number of construction workers employed during a quarterly pay period. January to March includes the reported number of construction workers employed during the pay period including March 12. April to June includes the reported number of construction workers employed during the pay period including May 12. July to September includes the reported number of construction workers employed during the pay period including August 12. October to December includes the reported number of construction workers employed during the pay period including November 12.

NUMBER OF ESTABLISHMENTS

Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS NOT REPORTING INVENTORIES

Includes all establishments with payroll that did not report a dollar amount for inventories of materials and supplies during the reporting year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS WITH INVENTORIES

Includes all establishments with payroll that reported a dollar amount of inventory. Includes the number of establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF ESTABLISHMENTS WITH NO INVENTORIES

Includes all establishments with payroll that reported having no inventories of materials and supplies during the reporting year. Includes establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments that were inactive or idle for the entire year were not included.

NUMBER OF OTHER EMPLOYEES: QUARTERLY PAY PERIOD

Refers to the number of other employees employed during a quarterly pay period. January to March includes the reported number of other workers employed during the pay period including March 12. April to June includes the reported number of other workers employed during the pay period including May 12. July to September includes the reported number of other workers employed during the pay period including August 12. October to December includes the reported number of other workers employed during the pay period including November 12.

NUMBER OF PROPRIETORS AND WORKING PARTNERS

These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

OTHER BUSINESS RECEIPTS (\$1,000)

Includes business receipts not reported as value of construction work. This includes business receipts from retail and wholesale trade, rental of equipment without operator, manufacturing, transportation, legal services, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here. Excluded are receipts from other business operations in foreign countries, and nonoperating income such as interest and dividends.

OTHER EMPLOYEES

Includes payroll employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working foreman level.

PAYROLL (\$1,000)

Includes the gross earnings paid in the reporting year to all employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to deductions such as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

PAYROLL: CONSTRUCTION WORKERS (\$1,000)

Includes the gross earnings paid in the reporting year to all construction workers on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to deductions such as employees' Social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

PAYROLL: OTHER EMPLOYEES (\$1,000)

Includes the gross earnings paid in the reporting year to all other employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacations and sick leave pay, prior to deductions such as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Payroll of other employees excludes salaries of the proprietor or partners, if unincorporated.

PRIMARY AND OTHER KINDS OF BUSINESS ACTIVITIES

Displays dollar value of business done by primary construction business activity. Primary construction activity is construction activity that generates fifty-one percent or more of an establishment's dollar value of business done. Also displayed are other kinds of business activities. Other kinds of business activities include business receipts not reported as value of construction work. This item includes business receipts from retail and wholesale trade, rental of equipment without an operator, manufacturing, transportation, legal services, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included in other kinds of business activities.

PURCHASED COMMUNICATION SERVICES (\$1,000)

Includes all costs for communication services purchased from other companies or from other establishments of the company.

RENTAL COSTS FOR BUILDINGS (\$1,000)

Includes all costs for renting or leasing space and buildings. It excludes costs under agreements that are in effect conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RENTAL COSTS FOR MACHINERY AND EQUIPMENT (\$1,000)

Includes all costs for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, and scaffolding. It excludes costs for the rental of

land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RENTAL COSTS FOR MACHINERY, EQUIPMENT, AND BUILDINGS (\$1,000)

Includes all costs for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes costs for the rental of land. It also excludes costs under agreements that in effect are conditional sales contracts such as capital leases. Such costs are included in capital expenditures.

RETIREMENTS AND DISPOSITION OF DEPRECIABLE ASSETS (\$1,000)

Includes the gross value of depreciable assets sold, retired, scrapped, destroyed, abandoned, etc., during the year. The values shown are the acquisition costs of the retired assets. This item also includes the value of assets (at acquisition cost rather than current market value) transferred to other establishments of the same company.

SELECTED COSTS (\$1,000)

Includes the costs for materials, components, and supplies; costs for construction work subcontracted out to others; and costs for selected power, fuels, and lubricants. Capital expenditures and rental costs for machinery, equipment, and structures are shown elsewhere.

SELECTED PURCHASED SERVICES (\$1,000)

Includes all costs for communication and repair to buildings and other structure services purchased from other companies or from other establishments of the company. It also includes the cost of all repairs made to structures and equipment by outside companies or from other establishments of the same company. It includes only the cost of repairs necessary to maintain property and equipment. It excludes the cost of improvements that increase the value of property or the cost of adapting it for another use. Such costs are included in capital expenditures.

TYPE OF COMPANY OWNERSHIP AND LEGAL FORM OF ORGANIZATION

On the report forms, each establishment of companies with payroll covered in the 1997 Economic Census was classified into one of seven specific legal forms of organization. Publication categories derived from this data are also shown below:

- **Individual proprietorship.** Companies owned by one person.

- **Partnership.** Companies owned by two persons or more, each of whom had a financial interest in the business.
- **Corporation.** Companies (other than cooperatives) that were legally incorporated under state laws.
- **Other noncorporate legal form.** Companies for which the legal form of organization was not one of those defined above (i.e., cooperative associations (taxable), cooperative associations (tax-exempt), government-owned and private company-operated, other).

Companies operating at a single location are classified as single-establishment companies. Companies operating at more than one location are classified as multiestablishment companies. Categories in this item for which data are shown are derived from these definitions.

TYPE OF CONSTRUCTION

Provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in the reporting year. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. If respondents worked on more than one type of building or structure in a multibuilding complex, they were instructed to report separately for each building or type of structure. If they worked on a building that had more than one purpose; i.e., office and residential, or commercial, they were to classify the building by major purpose. In addition, all respondents were requested to report the percentage of the value of construction work done for new construction, additions, alterations, or reconstruction, and maintenance and repair work for each of these types.

Building Construction

- **Single-family houses, detached.** Includes all fully detached residential buildings constructed for one family use.
- **Single-family houses, attached, including townhouses and townhouse-type condominiums.** Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings, apartment type condominiums, and cooperatives.** Includes apartment rentals, high-rise, low-rise, or any structures containing two or more housing units other than attached single-family houses.

- **All other residential buildings.** Includes dormitories, fraternity and sorority houses, and other nonhousekeeping residential structures.
- **Manufacturing and light industrial buildings.** Includes all manufacturing and light industrial buildings and plants that are used to house production and assembly activities. Note that industrial parks should be classified under its primary usage such as warehouses, office space, commercial or industrial type buildings. Heavy industrial facilities such as blast furnaces, petroleum refineries, and chemical complexes are not included in this category but are reported under non-building construction.
- **Manufacturing and light industrial warehouses.** Includes all warehouses which are intended for industrial activities.
- **Hotels and motels.** Includes hotels, motels, bed-and-breakfast inns, and tourist cabins intended for transient accommodations. Also included are hotel and motel conference centers.
- **Office buildings.** Includes all buildings that are used primarily for office space or for government administrative offices. Also included are banks or financial buildings that are three stories or more. Medical office buildings are reported under hospitals and institutional buildings.
- **All other commercial buildings, nec (not elsewhere classified) such as stores, restaurants, and automobile service stations.** Includes all buildings that are intended for use primarily in the retail and service trades. For example, shopping centers, department stores, drug stores, restaurants, public garages, auto service stations, and one or two story bank or financial institutions.
- **Commercial warehouses.** Includes distribution buildings and mini-storage units intended for commercial use. Also included are storage warehouses.
- **Religious buildings.** Includes all buildings that are intended for religious services or functions such as churches, synagogues, convents, monasteries, and seminaries.
- **Educational buildings.** Includes all buildings that are used directly in administrative and instructional activities such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums, and art galleries, as well as laboratories that are not a part of a manufacturing or commercial establishment, are also included.
- **Health care and institutional buildings.** Includes hospitals, medical office buildings and all other buildings that are intended to provide health and institutional care such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.

- **Public safety buildings.** Included detention centers, prisons, fire stations, and rescue squad buildings.
- **Farm buildings, nonresidential.** Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Amusement, social, and recreational buildings.** Includes buildings that are used primarily for entertainment, social, and recreational activities such as sports arenas, convention centers, theaters, music halls, golf and country club buildings, skating rinks, fitness centers, bowling alleys, and indoor swimming pools.
- **Other building construction.** Includes all types of residential and nonresidential building construction not shown elsewhere.

Nonbuilding Construction

- **Highways, streets, and related work such as installation of guardrails, highway signs, and lighting.** Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, right-of-way drainage, erosion control, and lighting. Also includes earthwork protective structures when used in connection with road improvements.
- **Airport runways and related work.** Includes runways, taxiways, aprons, and related work.
- **Private driveways and parking areas.** Includes all nonstructural parking areas and private driveways of all surface types.
- **Bridges and elevated highways.** Includes viaducts and overpasses, roads, highways, railroads, and causeways built on structural supports.
- **Tunnels.** Includes highway, pedestrian, railroad, and water distribution tunnels.
- **Sewers, sewer lines, septic tanks, and related facilities.** Includes sanitary and storm sewers, pumping stations, septic systems, and related facilities.
- **Water mains and related facilities.** Includes water supply systems, pumping stations, and related facilities.
- **Pipeline construction other than sewer or water-lines.** Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Power and communication transmission lines, towers, and related facilities.** Includes electric power lines, telephone and telegraph lines, fiber optic cables, cable television lines, television and radio towers, and electric light and power facilities.
- **Power plants and cogeneration plants, except hydroelectric.** Includes electric and steam generating plants, cogenerating plants, and nuclear plants.
- **Power plant, hydroelectric.** Includes all types of hydroelectric power generating plants.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.** Includes coke ovens and mining appurtenances such as tipples and washeries.
- **Sewage treatment plants.** Includes sewage treatment and waste disposal plants.
- **Water treatment plants.** Includes water filtration and water softening plants.
- **Urban mass transit.** Includes subways, street cars, and light rail systems.
- **Railroad construction.** Includes the construction of railroad beds, tracks, freight yards, and signal towers for systems other than urban mass transit.
- **Conservation and development construction.** Includes land reclamation, irrigation projects, drainage canals, levees, jetties, breakwaters, and flood control projects.
- **Dam and reservoir construction.** Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Dry/Solid waste disposal.** Includes all dry/solid waste disposal sites where non hazardous waste is buried.
- **Harbor and port facilities.** Includes docks, piers, and wharves.
- **Marine construction.** Includes dredging, underwater rock removal, breakwaters, navigational channels, and locks.
- **Outdoor swimming pools.** Includes wading pools and reflecting pools.
- **Water storage facilities.** Includes aqueducts, water towers, and water tanks.
- **Tank storage facilities other than water.** Includes gasoline and oil storage tanks.
- **Fencing.** Includes all types of fencing.
- **Recreational facilities.** Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- **Billboards.** Includes all type of billboards.
- **Heavy military construction.** Includes all military nonbuilding such as missile sites and testing facilities, launch sites and underground command centers.
- **Ships.** Includes special trade contractors working on ships and boats such as painters, carpenters, joiners, electricians, etc.

- **Oilfields.** The majority of construction work occurring in oil fields is classified in Sector 21, Mining. For example, pipeline construction on oil and gas leases are classified in mining only up to the point where the distribution company takes over. At that point, pipeline construction activity is classified in Sector 23, Construction. Some secondary mining construction activities are classified in the construction sector. Examples of this include: road construction; land clearing contracting; land drainage contracting; and land leveling contracting.
- **Other nonbuilding construction, nec.** Includes all types of nonbuilding construction not elsewhere classified.

VALUE ADDED (\$1,000)

Value added is equal to value of business done, less costs for construction work subcontracted out to others and costs for materials, components, supplies, and fuels.

VALUE OF BUSINESS DONE (\$1,000)

Value of business done is the sum of value of construction work and other business receipts.

VALUE OF CONSTRUCTION WORK (\$1,000)

Includes the value of construction work done by general contractors, heavy construction contractors, and special trades contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work. Also includes the value of any construction work done by the reporting establishments for themselves. Speculative builders were instructed to include the value of buildings and other structures built or being built for sale in the reporting year, but not sold. They were to include the costs of such construction plus normal profit. Also included is the cost of construction work done on buildings for rent or lease. Establishments engaged in the sale and installation of construction components such as plumbing, heating, and central air-conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies, elevators or escalators were instructed to include both the value for the installation and the receipts covering the price of the items installed. Excluded are the cost of industrial and other special machinery and equipment that are not an integral part of a structure, and value of work done from business operations in foreign countries.

VALUE OF CONSTRUCTION WORK: ADDITIONS, ALTERATIONS, OR RECONSTRUCTION (\$1,000)

Includes construction work which adds to the value or useful life of an existing building or structure or that adapts a building or structure to a new or different use.

Included are major replacements of building systems, such as the installation of a new roof or heating system and the resurfacing of streets or highways. This contrasts to the repair of a hole in a roof or the routine patching of highways and streets that would be classified as maintenance and repair.

VALUE OF CONSTRUCTION WORK DONE IN THIS STATE (\$1,000)

Includes the value of construction work done in a state by general contractors, heavy construction contractors, and special trades contractors.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS WITH INVENTORIES (\$1,000)

The value of construction work for establishments with payroll that reported a dollar amount of inventory in the reporting year.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS WITH NO INVENTORIES (\$1,000)

The value of construction work for establishments with payroll that reported having no dollar amount of inventory in the reporting year.

VALUE OF CONSTRUCTION WORK: FOR SPECIALIZED TYPE (\$1,000)

Includes value of construction work for one of two specialized categories: types of construction; and kind-of-business activity. A construction establishment specializes in a type of construction when fifty-one percent or more of the construction work done is in one construction industry. The construction establishment reports each type of construction it performs as a percent of value of construction work. Types of construction refers to the types of buildings, structures, or facilities constructed or worked on by construction establishments in the reporting year. Specialization in types of construction displays data for establishments with payroll that falls within each percent range of specialization. A construction establishment specializes in a kind-of-business activity when fifty-one percent or more of the construction work done by the establishment is performed in one type of business activity. The construction establishment reports each kind-of-business activity engaged in as a percent of value of construction work. Kind-of-business activity refers to the kinds of business activities construction establishments perform throughout the reporting year. The following are examples of kind-of-business activity: highway and street construction; electrical contracting; carpentry contracting; and concrete contracting. Specialization in kind-of-business activity displays data for establishments with payroll that fall within each percent range of specialization.

VALUE OF CONSTRUCTION WORK: MAINTENANCE AND REPAIR (\$1,000)

Includes incidental construction work that keeps a property in ordinary working condition. Excluded are trash and snow removal, lawn maintenance and landscaping, cleaning and janitorial services.

VALUE OF CONSTRUCTION WORK: NEW CONSTRUCTION (\$1,000)

Includes the complete, original building of structures and essential service facilities and the initial installation of integral equipment such as elevators and plumbing, heating, and air-conditioning supplies and equipment.

VALUE OF CONSTRUCTION WORK ON FEDERALLY OWNED PROJECTS (\$1,000)

The value of construction work for projects owned by the Federal government.

VALUE OF CONSTRUCTION WORK ON GOVERNMENT OWNED PROJECTS (\$1,000)

The value of construction work for the sum total of all projects owned by Federal, state, and local governments.

VALUE OF CONSTRUCTION WORK ON PRIVATELY OWNED PROJECTS (\$1,000)

The value of construction work for construction projects other than government owned projects.

VALUE OF CONSTRUCTION WORK ON STATE AND LOCALLY OWNED PROJECTS (\$1,000)

The value of construction work for the sum total of all projects owned by state and local governments.

VALUE OF CONSTRUCTION WORK SUBCONTRACTED IN FROM OTHERS (\$1,000)

Includes the value of construction work done by reporting establishments as subcontractors to other contractors or builders. Establishments were asked to report the approximate percent of total value of construction work accounted for by such work, and the percentages reported were applied to the reported value of construction work to develop a value for this item.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS NOT REPORTING INVENTORIES (\$1,000)

The value of construction work for establishments that did not report a dollar amount for inventories of materials and supplies, and the value of construction work for establishments that did not complete a census form.

VOLUNTARY EXPENDITURES (\$1,000)

Includes expenditures made by the employer for life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Appendix B.

NAICS Codes, Titles, and Descriptions

23 CONSTRUCTION

The Construction sector comprises establishments primarily engaged in the construction of buildings and other structures, heavy construction (except buildings), additions, alterations, reconstruction, installation, and maintenance and repairs. Establishments engaged in demolition or wrecking of buildings and other structures, clearing of building sites, and sale of materials from demolished structures are also included. This sector also includes those establishments engaged in blasting, test drilling, landfill, leveling, earthmoving, excavating, land drainage, and other land preparation. The industries within this sector have been defined on the basis of their unique production processes. As with all industries, the production processes are distinguished by their use of specialized human resources and specialized physical capital. Construction activities are generally administered or managed at a relatively fixed place of business, but the actual construction work is performed at one or more different project sites.

This sector is divided into three subsectors of construction activities: (1) building construction and land subdivision and land development; (2) heavy construction (except buildings), such as highways, power plants, and pipelines; and (3) construction activity by special trade contractors.

Establishments classified in Subsector 233, Building, Developing, and General Contracting and Subsector 234, Heavy Construction, usually assume responsibility for an entire construction project, and may subcontract some or all of the actual construction work. Operative builders who build on their own account for sale, and land subdividers and land developers, who engage in subdividing real property into lots for sale, are included in Subsector 233, Building, Developing, and General Contracting. (Special trade contractors are included in Subsector 234, Heavy Construction, if they are engaged in activities primarily relating to heavy construction, such as grading for highways.) Establishments included in these subsectors operate as general contractors, design-builders, engineer-constructors, joint-venture contractors, and turnkey construction contractors. Establishments identified as construction management firms are also included.

Establishments classified in Subsector 235, Special Trade Contractors, are primarily engaged in specialized construction activities, such as plumbing, painting, and electrical work, and work for builders and general contractors under subcontract or directly for project owners. Establishments engaged in demolition or wrecking of

buildings and other structures, dismantling of machinery, excavating, shoring and underpinning, anchored earth retention activities, foundation drilling, and grading for buildings are also included in this subsector.

“Force account” construction is construction work performed by an establishment primarily engaged in some business other than construction, for its own account and use, and by employees of the establishment. This activity is not included in this industry sector unless the construction work performed is the primary activity of a separate establishment of the enterprise.

The installation of prefabricated building equipment and materials, such as elevators and revolving doors, is classified in the Construction sector. Installation work incidental to sales by employees of a manufacturing or retail establishment is classified as an activity of those establishments.

233 Building, Developing, and General Contracting

Industries in the Building, Developing, and General Contracting subsector comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repair) of building projects. Builders, developers, and general contractors, as well as land subdividers and land developers are included in this subsector. Establishments identified as construction management firms for building projects are also included. The construction work may be for others and performed by custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors, or may be on their own account for sale and performed by speculative or operative builders.

2331 Land Subdivision and Land Development

This NAICS Industry Group includes establishments classified in NAICS Industry 23311, Land Subdivision and Land Development.

23311 Land Subdivision and Land Development

This industry comprises establishments primarily engaged in subdividing real property into lots and/or developing building lots for sale.

233110 Land Subdivision and Land Development

This U.S. industry comprises establishments primarily engaged in subdividing real property into lots and/or developing building lots for sale.

The data published with NAICS code 233110 include the following SIC industries:

6552 Land subdividers and developers, except cemeteries

2332 Residential Building Construction

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23321, Single-Family Housing Construction; and 23322, Multifamily Housing Construction.

23321 Single-Family Housing Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of single family residential housing units (e.g., single family detached houses, town houses, or row houses where each housing unit is separated by a ground-to-roof wall and where no housing units are constructed above or below). This industry includes establishments responsible for additions and alterations to mobile homes and on-site assembly of modular and prefabricated houses. Establishments identified as single family construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include single family housing custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233210 Single-Family Housing Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of single family residential housing units (e.g., single family detached houses, town houses, or row houses where each housing unit is separated by a ground-to-roof wall and where no housing units are constructed above or below). This industry includes establishments responsible for additions and alterations to mobile homes and on-site assembly of modular and prefabricated houses. Establishments identified as single family construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include single family housing custom builders, general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233210 include the following SIC industries:

1521 General contractors—single-family houses
1531 Operative builders (pt)
8741 Management services (pt)

23322 Multifamily Housing Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of multifamily residential housing units (e.g., highrise, garden, and town house apartments where each unit is not separated by a ground-to-roof wall). The units may be constructed for sale as condominiums or cooperatives, or for rental as apartments. Establishments identified as multifamily construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include multifamily housing general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233220 Multifamily Housing Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of multifamily residential housing units (e.g., highrise, garden, and town house apartments where each unit is not separated by a ground-to-roof wall). The units may be constructed for sale as condominiums or cooperatives, or for rental as apartments. Establishments identified as multifamily construction management firms are also included in this industry. Establishments in this industry may perform work for others or on their own account for sale as speculative or operative builders. Kinds of establishments include multifamily housing general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233220 include the following SIC industries:

1522 General contractors—residential buildings, other than single-family (pt)
1531 Operative builders (pt)
8741 Management services (pt)

2333 Nonresidential Building Construction

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23331, Manufacturing and Industrial Building Construction; and 23332, Commercial and Institutional Building Construction.

23331 Manufacturing and Industrial Building Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of manufacturing and industrial buildings (e.g., plants, mills, factories). Establishments identified as manufacturing and industrial building construction management firms are also included in

this industry. Kinds of establishments include manufacturing and industrial building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233310 Manufacturing and Industrial Building Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of manufacturing and industrial buildings (e.g., plants, mills, factories). Establishments identified as manufacturing and industrial building construction management firms are also included in this industry. Kinds of establishments include manufacturing and industrial building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233310 include the following SIC industries:

- 1531 Operative builders (pt)
- 1541 General contractors—industrial buildings and warehouses (pt)
- 8741 Management services (pt)

23332 Commercial and Institutional Building Construction

This industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of commercial and institutional buildings (e.g., stores, schools, hospitals office buildings, public warehouses). Establishments identified as commercial and institutional building construction management firms are also included in this industry. Kinds of establishments include commercial and institutional building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

233320 Commercial and Institutional Building Construction

This U.S. industry comprises establishments primarily responsible for the entire construction (i.e., new work, additions, alterations, and repairs) of commercial and institutional buildings (e.g., stores, schools, hospitals office buildings, public warehouses). Establishments identified as commercial and institutional building construction management firms are also included in this industry. Kinds of establishments include commercial and institutional building general contractors, design builders, engineer-constructors, joint-venture contractors, and turnkey contractors.

The data published with NAICS code 233320 include the following SIC industries:

- 1522 General contractors—residential buildings, other than single-family (pt)
- 1531 Operative builders (pt)
- 1541 General contractors—industrial buildings and warehouses (pt)
- 1542 General contractors—nonresidential buildings, except industrial buildings and warehouses
- 8741 Management services (pt)

234 Heavy Construction

Industries in the Heavy Construction subsector group establishments that engage in the construction of heavy engineering and industrial projects (except buildings), for example, highways, power plants, and pipelines. The construction work performed may include new work, reconstruction, or repairs. Establishments identified as heavy construction management firms are also included. Establishments in this subsector usually assume responsibility for entire nonbuilding projects but may subcontract some or all of the actual construction work. Special trade contractors are included in this group if they are engaged in activities primarily related to heavy construction, for example, grading for highways. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

2341 Highway, Street, Bridge, and Tunnel Construction

This NAICS Industry Group includes establishments classified in the following NAICS industries: 23411, Highway and Street Construction; and 23412, Bridge and Tunnel Construction.

23411 Highway and Street Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of highways (except elevated), streets, roads, or airport runways; (2) establishments identified as highway and street construction management firms; and (3) establishments identified as special trade contractors engaged in performing subcontract work primarily related to highway and street construction (e.g., grading for highways, installing guardrails, public sidewalk construction). Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include highway and street general contractors, design builders, engineer-constructors, and joint-venture contractors.

234110 Highway and Street Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of highways (except elevated),

streets, roads, or airport runways; (2) establishments identified as highway and street construction management firms; and (3) establishments identified as special trade contractors engaged in performing subcontract work primarily related to highway and street construction (e.g., grading for highways, installing guardrails, public sidewalk construction). Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include highway and street general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234110 include the following SIC industries:

- 1611 Highway and street construction contractors, except elevated highways
- 8741 Management services (pt)

23412 Bridge and Tunnel Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of bridges, viaducts, elevated highways, and tunnels; (2) establishments identified as bridge and tunnel construction management firms; and (3) establishments identified as special trade contractors primarily engaged in performing subcontract work related to bridge and tunnel construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include bridge and tunnel general contractors, design builders, engineer-constructors, and joint-venture contractors.

234120 Bridge and Tunnel Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of bridges, viaducts, elevated highways, and tunnels; (2) establishments identified as bridge and tunnel construction management firms; and (3) establishments identified as special trade contractors primarily engaged in performing subcontract work related to bridge and tunnel construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include bridge and tunnel general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234120 include the following SIC industries:

- 1622 Bridge, tunnel, and elevated highway construction contractors
- 8741 Management services (pt)

2349 Other Heavy Construction

This industry group comprises establishments primarily engaged in heavy nonbuilding construction (except highway, street, bridge, and tunnel construction).

23491 Water, Sewer, and Pipeline Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, rehabilitation, or repairs) of water mains, sewers, drains, gas mains, natural gas pumping stations, and gas and oil pipelines; (2) establishments identified as water, sewer, and pipeline construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to water, sewer, and pipeline construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include water, sewer, and pipeline general contractors, design builders, engineer-constructors, and joint-venture contractors.

234910 Water, Sewer, and Pipeline Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, rehabilitation, or repairs) of water mains, sewers, drains, gas mains, natural gas pumping stations, and gas and oil pipelines; (2) establishments identified as water, sewer, and pipeline construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to water, sewer, and pipeline construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include water, sewer, and pipeline general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234910 include the following SIC industries:

- 1623 Water, sewer, pipeline, and communications and power line construction (pt)
- 8741 Management services (pt)

23492 Power and Communication Transmission Line Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of electric power and communication transmission lines and towers, radio and television transmitting/receiving towers, cable laying, and cable television lines; (2) establishments identified as power and communication transmission line construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to power and communication transmission line construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include power and communication transmission line general contractors, design builders, engineer-constructors, and joint-venture contractors.

234920 Power and Communication Transmission Line Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of electric power and communication transmission lines and towers, radio and television transmitting/receiving towers, cable laying, and cable television lines; (2) establishments identified as power and communication transmission line construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to power and communication transmission line construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include power and communication transmission line general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234920 include the following SIC industries:

- 1623 Water, sewer, pipeline, and communications and power line construction (pt)
- 8741 Management services (pt)

23493 Industrial Nonbuilding Structure Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy industrial nonbuilding structures, such as chemical complexes or facilities, cement plants, petroleum refineries, industrial incinerators, ovens, kilns, power plants (except hydroelectric plants), and nuclear reactor containment structures; (2) establishments identified as industrial nonbuilding construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to industrial nonbuilding construction. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include industrial nonbuilding general contractors, design builders, engineer-constructors, and joint-venture contractors.

234930 Industrial Nonbuilding Structure Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy industrial nonbuilding structures, such as chemical complexes or facilities, cement plants, petroleum refineries, industrial incinerators, ovens, kilns, power plants (except hydroelectric plants), and nuclear reactor containment structures; (2) establishments identified as industrial nonbuilding construction management firms; and (3) establishments identified as special trade contractors engaged in activities primarily related to industrial nonbuilding construction.

Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include industrial nonbuilding general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234930 include the following SIC industries:

- 1629 Heavy construction, n.e.c. (pt)
- 8741 Management services (pt)

23499 All Other Heavy Construction

This industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy nonbuilding construction projects (except highway, street, bridge, tunnel, water lines, sewer lines, pipelines, power and communication transmission lines, and industrial nonbuilding structures); (2) establishments identified as all other heavy construction management firms; (3) establishments primarily engaged in construction equipment rental with an operator; and (4) establishments identified as special trade contractors engaged in activities related primarily to all other heavy construction. Typical projects constructed by establishments in this industry include athletic fields, dams, dikes, docks, drainage projects, golf courses, harbors, parks, reservoirs, canals, sewage treatment plants, water treatment plants, hydroelectric plants, subways, and other mass transit projects. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

234990 All Other Heavy Construction

This U.S. industry comprises: (1) establishments primarily responsible for the entire construction (i.e., new work, reconstruction, or repairs) of heavy nonbuilding construction projects (except highway, street, bridge, tunnel, water lines, sewer lines, pipelines, power and communication transmission lines, and industrial nonbuilding structures); (2) establishments identified as all other heavy construction management firms; (3) establishments primarily engaged in construction equipment rental with an operator; and (4) establishments identified as special trade contractors engaged in activities related primarily to all other heavy construction. Typical projects constructed by establishments in this industry include athletic fields, dams, dikes, docks, drainage projects, golf courses, harbors, parks, reservoirs, canals, sewage treatment plants, water treatment plants, hydroelectric plants, subways, and other mass transit projects. Establishments in this industry may subcontract some or all of the actual construction work. Kinds of establishments include heavy construction general contractors, design builders, engineer-constructors, and joint-venture contractors.

The data published with NAICS code 234990 include the following SIC industries:

- 1629 Heavy construction, n.e.c. (pt)
- 7353 Heavy construction equipment, rental and leasing (pt)
- 8741 Management services (pt)

235 Special Trade Contractors

Industries in the Special Trade Contractors subsector engage in specialized construction activities, such as plumbing, painting, and electrical work. Those establishments that engage in activities primarily related to heavy construction, such as grading for highways, are classified in Subsector 234, Heavy Construction. The activities of this subsector may be subcontracted from builders or general contractors or it may be performed directly for project owners. The construction work performed may include new work, additions, alterations, or maintenance and repairs. Special trade contractors usually perform most of their work at the job site, although they may have shops where they perform prefabrication and other work.

2351 Plumbing, Heating, and Air-Conditioning Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23511, Plumbing, Heating, and Air-Conditioning Contractors.

23511 Plumbing, Heating, and Air-Conditioning Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) installing plumbing, heating, and air-conditioning equipment; (2) servicing plumbing, heating, and air-conditioning equipment; and (3) the combined activity of selling and installing plumbing, heating, and air-conditioning equipment. The plumbing, heating, and air-conditioning work performed includes new work, additions, alterations, and maintenance and repairs. The activities performed by these establishments range from duct fabrication and installation at the site to installation of refrigeration equipment, installation of sprinkler systems, and installation of environmental controls.

235110 Plumbing, Heating, and Air-Conditioning Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) installing plumbing, heating, and air-conditioning equipment; (2) servicing plumbing, heating, and air-conditioning equipment; and (3) the combined activity of selling and installing plumbing, heating, and air-conditioning equipment. The plumbing, heating, and air-conditioning work performed includes new work, additions, alterations, and

maintenance and repairs. The activities performed by these establishments range from duct fabrication and installation at the site to installation of refrigeration equipment, installation of sprinkler systems, and installation of environmental controls.

The data published with NAICS code 235110 include the following SIC industry:

- 1711 Plumbing, heating, and air-conditioning special trade contractors

This definition comes from the 1997 NAICS manual. However, for this industry, the 1997 Economic Census--Construction did not fully implement the conversion to NAICS. Data for NAICS industry 235110 do not include establishments whose primary activity is boiler cleaning. The NAICS definitions will be fully implemented with the 2002 Economic Census.

2352 Painting and Wall Covering Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23521, Painting and Wall Covering Contractors.

23521 Painting and Wall Covering Contractors

This industry comprises establishments primarily engaged in interior or exterior painting and interior wall covering. The painting and wall covering work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by these establishments range from bridge, ship, and traffic lane painting to paint and wall covering removal.

235210 Painting and Wall Covering Contractors

This U.S. industry comprises establishments primarily engaged in interior or exterior painting and interior wall covering. The painting and wall covering work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by these establishments range from bridge, ship, and traffic lane painting to paint and wall covering removal.

The data published with NAICS code 235210 include the following SIC industries:

- 1721 Painting and paper hanging special trade contractors
- 1799 Special trade contractors, n.e.c. (pt)

2353 Electrical Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23531, Electrical Contractors.

23531 Electrical Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) performing electrical work at the site (e.g., installing wiring); (2) servicing electrical equipment at the site; and (3) the combined activity of selling and installing electrical equipment. The electrical work performed includes new work, additions, alterations, and maintenance and repairs.

235310 Electrical Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) performing electrical work at the site (e.g., installing wiring); (2) servicing electrical equipment at the site; and (3) the combined activity of selling and installing electrical equipment. The electrical work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235310 include the following SIC industry:

1731 Electrical work special trade contractors

2354 Masonry, Drywall, Insulation, and Tile Contractors

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23541, Masonry and Stone Contractors; 23542, Drywall, Plastering, Acoustical, and Insulation Contractors; and 23543, Tile, Marble, Terrazzo, and Mosaic Contractors.

23541 Masonry and Stone Contractors

This industry comprises establishments primarily engaged in masonry work, stone setting, and other stone work. The masonry work, stone setting, and other stone work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the construction of foundations made of block, stone, or brick to glass block laying; exterior marble, granite and slate work; and tuck pointing.

235410 Masonry and Stone Contractors

This U.S. industry comprises establishments primarily engaged in masonry work, stone setting, and other stone work. The masonry work, stone setting, and other stone work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the construction of foundations made of block, stone, or brick to glass block laying; exterior marble, granite and slate work; and tuck pointing.

The data published with NAICS code 235410 include the following SIC industry:

1741 Masonry, stone setting, and other stone work special trade contractors

23542 Drywall, Plastering, Acoustical, and Insulation Contractors

This industry comprises establishments primarily engaged in drywall, plaster work, acoustical, and building insulation work. The drywall, plaster work, acoustical, and insulation work performed includes new work, additions,

alterations, and maintenance and repairs. Plaster work includes applying plain or ornamental plaster, including installation of lathing to receive plaster.

235420 Drywall, Plastering, Acoustical, and Insulation Contractors

This U.S. industry comprises establishments primarily engaged in drywall, plaster work, acoustical, and building insulation work. The drywall, plaster work, acoustical, and insulation work performed includes new work, additions, alterations, and maintenance and repairs. Plaster work includes applying plain or ornamental plaster, including installation of lathing to receive plaster.

The data published with NAICS code 235420 include the following SIC industries:

1742 Plastering, drywall, acoustical, and insulation work special trade contractors

1743 Terrazzo, tile, marble, and mosaic work special trade contractors (pt)

1771 Concrete work special trade contractors (pt)

23543 Tile, Marble, Terrazzo, and Mosaic Contractors

This industry comprises establishments primarily engaged in (1) setting and installing ceramic tile, marble (interior only), terrazzo, and mosaic and/or (2) mixing marble particles and cement to make terrazzo at the job site. The tile, marble, terrazzo, and mosaic work performed includes new work, additions, alterations, and maintenance and repairs.

235430 Tile, Marble, Terrazzo, and Mosaic Contractors

This U.S. industry comprises establishments primarily engaged in (1) setting and installing ceramic tile, marble (interior only), terrazzo, and mosaic and/or (2) mixing marble particles and cement to make terrazzo at the job site. The tile, marble, terrazzo, and mosaic work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235430 include the following SIC industry:

1743 Terrazzo, tile, marble, and mosaic work special trade contractors (pt)

2355 Carpentry and Floor Contractors

This NAICS Industry Group includes establishments classified in the following NAICS Industries: 23551, Carpentry Contractors; and 23552, Floor Laying and Other Floor Contractors.

23551 Carpentry Contractors

This industry comprises establishments primarily engaged in framing, carpentry, and finishing work. The carpentry work performed includes new work, additions,

alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the installation of doors and windows to paneling, steel framing work, and ship joinery.

235510 Carpentry Contractors

This U.S. industry comprises establishments primarily engaged in framing, carpentry, and finishing work. The carpentry work performed includes new work, additions, alterations, and maintenance and repairs. Activities performed by establishments in this industry range from the installation of doors and windows to paneling, steel framing work, and ship joinery.

The data published with NAICS code 235510 include the following SIC industry:

1751 Carpentry work special trade contractors

23552 Floor Laying and Other Floor Contractors

This industry comprises establishments primarily engaged in the installation of resilient floor tile, carpeting, linoleum, and wood or resilient flooring. The floor laying and other floor work performed includes new work, additions, alterations, and maintenance and repairs.

235520 Floor Laying and Other Floor Contractors

This U.S. industry comprises establishments primarily engaged in the installation of resilient floor tile, carpeting, linoleum, and wood or resilient flooring. The floor laying and other floor work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235520 include the following SIC industry:

1752 Floor laying and other floor work special trade contractors, n.e.c.

2356 Roofing, Siding, and Sheet Metal Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23561, Roofing, Siding, and Sheet Metal Contractors.

23561 Roofing, Siding, and Sheet Metal Contractors

This industry comprises establishments primarily engaged in the installation of roofing, siding, sheet metal work, and roof drainage-related work, such as downspouts and gutters. Activities performed by these establishments also include treating roofs (i.e., by spraying, painting, or coating), copper smithing, tin smithing, installing skylights, installing metal ceilings, flashing, duct work, and capping. The roofing, siding, and sheet metal work performed includes new work, additions, alterations, and maintenance and repairs.

235610 Roofing, Siding, and Sheet Metal Contractors

This U.S. industry comprises establishments primarily engaged in the installation of roofing, siding, sheet metal work, and roof drainage-related work, such as downspouts and gutters. Activities performed by these establishments also include treating roofs (i.e., by spraying, painting, or coating), copper smithing, tin smithing, installing skylights, installing metal ceilings, flashing, duct work, and capping. The roofing, siding, and sheet metal work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235610 include the following SIC industry:

1761 Roofing, siding, and sheet metal work special trade contractors

2357 Concrete Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23571, Concrete Contractors.

23571 Concrete Contractors

This industry comprises establishments primarily engaged in the use of concrete and asphalt to produce parking areas, building foundations, structures, and retaining walls, and in the use of all materials to produce patios, private driveways, and private walks. Activities performed by these establishments include grout and shotcrete work. The concrete work performed includes new work, additions, alterations, and maintenance and repairs.

235710 Concrete Contractors

This U.S. industry comprises establishments primarily engaged in the use of concrete and asphalt to produce parking areas, building foundations, structures, and retaining walls, and in the use of all materials to produce patios, private driveways, and private walks. Activities performed by these establishments include grout and shotcrete work. The concrete work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235710 include the following SIC industry:

1771 Concrete work special trade contractors (pt)

2358 Water Well Drilling Contractors

This NAICS Industry Group includes establishments classified in NAICS Industry 23581, Water Well Drilling Contractors.

23581 Water Well Drilling Contractors

This industry comprises establishments primarily engaged in drilling, tapping, and capping of water wells, and geothermal drilling. The water well drilling work performed includes new work, servicing, and maintenance and repairs.

235810 Water Well Drilling Contractors

This U.S. industry comprises establishments primarily engaged in drilling, tapping, and capping of water wells, and geothermal drilling. The water well drilling work performed includes new work, servicing, and maintenance and repairs.

The data published with NAICS code 235810 include the following SIC industry:

1781 Water well drilling special trade contractors

2359 Other Special Trade Contractors

This industry group comprises establishments primarily engaged in specialized construction activities (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring work, roofing, siding, sheet metal, concrete, and water well drilling).

23591 Structural Steel Erection Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) erecting metal, structural steel, and similar products of prestressed or precast concrete to produce structural elements, building exteriors, and elevator fronts; (2) setting rods, bars, rebar, mesh, and cages, to reinforce poured-in-place concrete; and (3) erecting cooling towers and metal storage tanks. The structural steel erection work performed includes new work, additions, alterations, reconstruction, and maintenance and repairs.

235910 Structural Steel Erection Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) erecting metal, structural steel, and similar products of prestressed or precast concrete to produce structural elements, building exteriors, and elevator fronts; (2) setting rods, bars, rebar, mesh, and cages, to reinforce poured-in-place concrete; and (3) erecting cooling towers and metal storage tanks. The structural steel erection work performed includes new work, additions, alterations, reconstruction, and maintenance and repairs.

The data published with NAICS code 235910 include the following SIC industry:

1791 Structural steel erection special trade contractors

23592 Glass and Glazing Contractors

This industry comprises establishments primarily engaged in installing glass (i.e., glazing work) and/or tinting glass. The glass work performed includes new work, additions, alterations, and maintenance and repairs. 235920 Glass and Glazing Contractors This U.S. industry comprises establishments primarily engaged in installing

glass (i.e., glazing work) and/or tinting glass. The glass work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235920 include the following SIC industries:

1793 Glass and glazing work special trade contractors

1799 Special trade contractors, n.e.c. (pt)

23593 Excavation Contractors

This industry comprises establishments primarily engaged in preparing land for building construction. Activities performed by these establishments are drilling shafts, foundation digging, foundation drilling, and grading. The excavation work performed includes new work, additions, alterations, and repairs.

235930 Excavation Contractors

This U.S. industry comprises establishments primarily engaged in preparing land for building construction. Activities performed by these establishments are drilling shafts, foundation digging, foundation drilling, and grading. The excavation work performed includes new work, additions, alterations, and repairs.

The data published with NAICS code 235930 include the following SIC industry:

1794 Excavation work special trade contractors

23594 Wrecking and Demolition Contractors

This industry comprises establishments primarily engaged in the wrecking and demolition of buildings and other structures, including underground tank removal and the dismantling of steel oil tanks, except those for hazardous materials. The establishments engaged in wrecking and demolition work may or may not sell materials derived from demolishing operations.

235940 Wrecking and Demolition Contractors

This U.S. industry comprises establishments primarily engaged in the wrecking and demolition of buildings and other structures, including underground tank removal and the dismantling of steel oil tanks, except those for hazardous materials. The establishments engaged in wrecking and demolition work may or may not sell materials derived from demolishing operations.

The data published with NAICS code 235940 include the following SIC industry:

1795 Wrecking and demolition work special trade contractors

23595 Building Equipment and Other Machinery Installation Contractors

This industry comprises establishments primarily engaged in one or more of the following: (1) the installation or dismantling of building equipment, machinery or

other industrial equipment (except plumbing, heating, air conditioning or electrical equipment); (2) machine rigging; and (3) millwrighting. Types of equipment installed include automated and revolving doors, conveyor systems, dumbwaiters, dust collecting equipment, elevators, small incinerators, pneumatic tubes systems, and built-in vacuum cleaning systems. The building equipment and other machinery installation work performed includes new work, additions, alterations, and maintenance and repairs.

235950 Building Equipment and Other Machinery Installation Contractors

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) the installation or dismantling of building equipment, machinery or other industrial equipment (except plumbing, heating, air conditioning or electrical equipment); (2) machine rigging; and (3) millwrighting. Types of equipment installed include automated and revolving doors, conveyor systems, dumbwaiters, dust collecting equipment, elevators, small incinerators, pneumatic tubes systems, and built-in vacuum cleaning systems. The building equipment and other machinery installation work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235950 include the following SIC industry:

1796 Installation or erection of building equipment, special trade contractors, n.e.c.

23599 All Other Special Trade Contractors

This industry comprises establishments primarily engaged in specialized construction work, (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring, roofing, siding, sheet metal work, concrete work, glass and glazing, structural steel erection, excavation, wrecking and demolition, and building equipment installation work). Activities undertaken by these

establishments include constructing swimming pools and fences, house moving, waterproofing, dewatering, damp-proofing, fireproofing, and sandblasting; installing antennas, artificial turf, awnings, countertops, fire escapes, forms for poured concrete, gasoline pumps, lightning conductors, ornamental metal, shoring systems, and signs (on buildings); and specialized activities, such as bathtub refinishing, coating and glazing of concrete surfaces, gas leakage detection, insulation of pipes and boilers, mobile home site setup and tie-down, posthole digging, radon remediation, scaffolding work, and on-site welding. The other special trade work performed includes new work, additions, alterations, and maintenance and repairs.

235990 All Other Special Trade Contractors

This U.S. industry comprises establishments primarily engaged in specialized construction work, (except plumbing, painting, electrical, masonry, drywall, insulation, tile, carpentry, flooring, roofing, siding, sheet metal work, concrete work, glass and glazing, structural steel erection, excavation, wrecking and demolition, and building equipment installation work). Activities undertaken by these establishments include constructing swimming pools and fences, house moving, waterproofing, dewatering, damp-proofing, fireproofing, and sandblasting; installing antennas, artificial turf, awnings, countertops, fire escapes, forms for poured concrete, gasoline pumps, lightning conductors, ornamental metal, shoring systems, and signs (on buildings); and specialized activities, such as bathtub refinishing, coating and glazing of concrete surfaces, gas leakage detection, insulation of pipes and boilers, mobile home site setup and tie-down, posthole digging, radon remediation, scaffolding work, and on-site welding. The other special trade work performed includes new work, additions, alterations, and maintenance and repairs.

The data published with NAICS code 235990 include the following SIC industry:

1799 Special trade contractors, n.e.c. (pt)

Appendix C.

Coverage and Methodology

THE SAMPLE FRAME

The universe for the construction sector includes approximately 650,000 establishments. This includes only those construction establishments with at least one paid employee in 1997. Census reports were mailed to a sample of approximately 130,000 establishments.

The sample frame consisted of the entire construction universe; there were no subpopulations that were explicitly removed from the sample frame. The sample frame was compiled from a list of all construction companies in the active records of the Internal Revenue Service (IRS) and the Social Security Administration (SSA) which are subject to the payment of Federal Insurance Contributions Act taxes. Under special arrangements to safeguard their confidentiality, the U.S. Census Bureau obtains information on the location and classification of the companies, as well as their payroll and receipts data from these sources. Unfortunately, these sources do not provide establishment level information for companies with multiple locations. For multilocation companies, the establishment level information is directly obtained from the U.S. Census Bureau's Company Organization Survey.

While the IRS-SSA list usually provided sufficient classification information to assign a company to the proper economic sector, there were cases for which the information was incomplete or missing. A classification form was mailed to companies with insufficient information to be assigned to an industry. This form requested information on the nature of the company's activities. Companies determined to be in scope of the construction sector subsequent to the census mailout were treated as a supplement to the universe rather than part of the sample frame.

SAMPLE SELECTION

The major objective of the sample design was to provide a sample that would provide reliable estimates for each state and construction industry. A stratified random sample was designed. Within each state by industry cell, six strata were defined.

- Stratum 1 was comprised of approximately 12,000 establishments of companies that had operations of any type at more than one location. These establishments of multiunit companies were included in the construction sample with certainty.
- Strata 2-6 were comprised of single-location companies. For each industry, payroll cut-offs were determined at the U.S. level and used to define the payroll ranges for each of the strata 2-6 across all states.

All establishments in stratum 2 were included in the construction sample with certainty. These consisted of the largest single-location construction companies.

For strata 3-6, a random sample of establishments was selected. The general strategy was to sample the strata containing larger establishments at a higher rate than those containing small establishments. The minimum sample rate was 1 in 20.

For five industries, the U.S. population in the sample frame was quite small. For these industries, all establishments in the sample frame were included in the sample with certainty. These industries were as follows:

- SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors
- SIC 1795, Wrecking and Demolition Work
- SIC 1796, Installation or Erection of Building Equipment, Not Elsewhere Classified
- SIC 7353, Equipment Rental With Operators
- SIC 8741, Construction Management

ESTIMATION AND VARIANCES

Based on the response data, establishments were assigned to the appropriate NAICS industry. At each level of tabulation, unbiased estimates were derived by summing the weighted establishment data where the establishment sample weight was equal to the inverse of its probability of selection for the construction sample.

Variations of the estimated items were derived at the state level, industry, and by stratum using standard stratified random sample formulas. Variations were then aggregated to the publication levels for the computation of the relative standard errors.

RELIABILITY OF THE ESTIMATES

The estimates developed from the sample can differ somewhat from the results of a survey covering all companies in the sample lists but are otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the construction sector is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically, comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data. They are presented in the form of relative standard errors which are the standard errors divided by the estimated values to which they refer.

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals, or ranges, that would include the comparable, complete-coverage value for specified percentages of all the possible samples.

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference is that the comparable complete-survey result would fall within the indicated ranges and the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection; reporting; coding; transcription; imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the U.S. Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To

some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables of this publication having an associated standard error exceeding 75 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each establishment covered in the construction sector was classified in one of twenty eight industries in accordance with the industry definitions in the 1997 NAICS (North American Industry Classification System) manual. The U.S. Census Bureau first used NAICS to classify industries for 1997 economic census data. Prior to this the U.S. Census Bureau used SIC (Standard Industrial Classification) for industry classification. The differences between NAICS and SIC are outlined in Appendix A of the 1997 NAICS manual.

In the NAICS system, an industry is generally defined as a group of establishments that use similar processes or have similar business activities. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added, value of business, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the construction sector for 1997, there are 3 subsectors (three-digit NAICS), 14 industry groups (four-digit NAICS), and 28 NAICS industries (five- and six-digit NAICS). The five-digit NAICS is supposed to be the level at which there is comparability with the Canadian and Mexican classification systems. However, agreement had not been reached with these countries at the time of the 1997 Economic Census regarding the classification of construction industries. The 28 five- and six-digit NAICS construction industries are the result of an expansion and a restructuring of the 26 four-digit SIC industries of 1987.

ESTABLISHMENT BASIS OF REPORTING

The construction sector is conducted on an establishment basis. A construction establishment is defined as a relatively permanent office or other place of business where the usual business activities related to construction

are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such establishment activities include, but are not limited to, estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each establishment operated during any part of the census year. The construction sector figures represent a tabulation of records for individual establishments rather than for companies.

If an establishment was engaged in construction and one or more distinctly different lines of economic activity at the same place of business, it was requested to file a separate report for each activity, provided that the activity was of substantial size and separate records were maintained. If a separate establishment report could not be prepared for each activity, then a construction report was

requested covering all activities of that establishment providing that the value of construction work exceeded the gross receipts from each of its other activities.

DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the industry, geographic area, or other groupings contains varying amounts of duplication. This is because the construction work of one firm may be subcontracted to other construction firms and may also be included in the subcontractors' value of construction work. Also, part of the value of construction results from the use of products of nonconstruction industries as input materials. These products are counted in the nonconstruction industry as well as part of the value of construction. Value added avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or geographic areas. Value added for construction industries is defined as the dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan Areas

Not applicable for this report.

Appendix F.

Detailed SIC Code Titles: 1997

[The SIC code title shown in Table 1 is a standard SIC title from the Standard Industrial Classification Manual. A more detailed title description for the SIC code shown in Table 1 is included in this appendix]

SIC code	Detailed industry title description	SIC code	Detailed industry title description
15	GENERAL BUILDING CONTRACTORS	17	SPECIAL TRADE CONTRACTORS (EXCLUDING LEAD PAINT REMOVAL AND ASBESTOS ABATEMENT)—Con.
152100	General contractors—single-family houses	175100	Carpentry work
152210	General contractors—hotel and motel construction	175200	Floor laying and other floor work, n.e.c
152220	General contractors—residential buildings, other than single-family, except hotel and motel construction	176100	Roofing, siding, and sheet metal work
153110	Operative builders, single-family housing construction	177110	Stucco construction
153120	Operative builders, multifamily housing construction	177120	Concrete work, except stucco construction
153130	Operative builders, manufacturing and light industrial building construction	178100	Water well drilling
153140	Operative builders, commercial and institutional building construction	179100	Structural steel erection
154110	General contractors—commercial warehouse construction	179300	Glass and glazing work
154120	General contractors—industrial buildings and warehouse construction	179400	Excavation work
154200	General contractors—nonresidential buildings, other than industrial buildings and warehouses	179500	Wrecking and demolition work
		179600	Installation or erection of building equipment, n.e.c
		179910	Paint and wallpaper stripping and wallpaper removal contractors
		179920	Tinting glass contractors
		179940	All other special trade contractors
16	HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION	65	REAL ESTATE—CONSTRUCTION LAND SUBDIVIDERS AND DEVELOPERS
161100	Highway and street construction, except elevated highways	655200	Land subdividers and developers, except cemeteries
162200	Bridge, tunnel, and elevated highway construction	73	BUSINESS SERVICES—CONSTRUCTION EQUIPMENT RENTAL AND LEASING, WITH OPERATOR
162310	Water, sewer, and pipeline construction	735320	Heavy construction equipment rental and leasing, with operator
162320	Power and communication transmission line construction	87	ENGINEERING AND MANAGEMENT SERVICES—CONSTRUCTION MANAGEMENT FOR BUILDINGS AND HEAVY CONSTRUCTION
162910	Industrial nonbuilding construction	874121	Construction management—single-family housing construction
162920	Other heavy construction	874122	Construction management—multifamily housing construction
17	SPECIAL TRADE CONTRACTORS (EXCLUDING LEAD PAINT REMOVAL AND ASBESTOS ABATEMENT)	874123	Construction management—manufacturing and industrial building construction
171100	Plumbing, heating, and air-conditioning	874124	Construction management—commercial and institutional building construction
172100	Painting and paper hanging	874131	Construction management—highway and street construction
173100	Electrical work	874132	Construction management—bridge and tunnel construction
174100	Masonry, stone setting, and other stone work	874133	Construction management—water, sewer, and pipeline construction
174200	Plastering, drywall, acoustical, and insulation work	874134	Construction management—power and communication transmission line construction
174310	Fresco work	874135	Construction management—industrial nonbuilding construction
174320	Terrazzo, tile, marble, and mosaic work, except fresco work	874136	Construction management—all other heavy construction

