

Industry General Summary: 2002

Issued October 2005

EC02-23SG-1

2002 Economic Census

Construction

Subject Series



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ACKNOWLEDGMENTS

This report was prepared in the Manufacturing and Construction Division under the direction of **Mendel D. Gayle**, Assistant Division Chief for Census and Related Programs, who was responsible for the overall planning, management, and coordination. **Susan Bucci**, Chief, Construction and Minerals Branch, assisted by **Michael Blake**, Section Chief, and **Tom Flood, Keith Fuller, Robert Miller**, and **Robert Rosati**, Special Assistants, performed the planning and implementation. **Delsey Newman, Donald Powers, John Roehl, Linda Taylor, Michael Taylor**, and **Robert Wright** provided primary staff assistance. **Arminta N. Quash**, Chief, Census and Related Programs Support Branch, assisted by **Kimberly DePhillip**, Section Chief, performed overall coordination of the publication process. **Theresa Crowley, Patrick Duck, Michael Flaherty, Taylor C. Murph**, and **Veronica White** provided primary staff assistance.

Mathematical and statistical techniques, as well as the coverage operations, were provided by **Paul Hsen**, Assistant Division Chief for Research and Methodology Programs, assisted by **Stacey Cole**, Chief, Manufacturing Methodology Branch, and **Robert Struble**, Section Chief. **Jeffrey Dalzell** and **Cathy Gregor** provided primary staff assistance.

Eddie J. Salyers, Assistant Division Chief of Economic Planning and Coordination Division, was responsible for overseeing the editing and tabulation procedures and the interactive analytical software. **Dennis Shoemaker** and **Kim Wortman**, Special Assistants, **John D. Ward**, Chief, Analytical Branch, and **Brandy L. Yarbrough**, Chief, Edit Branch, were responsible for developing the systems and procedures for data collection, editing, review, and correction. **Donna L. Hambric**, Chief of the Economic Planning Staff, was responsible for overseeing the systems and information for dissemination. **Douglas J. Miller**, Chief, Tables and Dissemination Branch, assisted by **Lisa Aispuro, Jamie Fleming, Keith Fuller, Andrew W. Hait**, and **Kathy G. Padgett**, were responsible for developing the data dissemination systems and procedures.

The Geography Division staff, **Robert LaMacchia**, Chief, developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, **Howard R. Hogan**, Chief, developed and coordinated the computer processing systems. **Barry F. Sessamen**, Assistant Division Chief for Post Collection, was responsible for design and implementation of the processing system and computer programs. **Gary T. Sheridan**, Chief, Macro Analytical Branch, assisted by **Apparao V. Katikineni** and **Edward F. Johnson**, provided computer programming and implementation.

The Systems Support Division provided the table composition system. **Robert Joseph Brown**, Table Image Processing System (TIPS) Senior Software Engineer, was responsible for the design and development of the TIPS, under the supervision of **Robert J. Bateman**, Assistant Division Chief, Information Systems.

The staff of the National Processing Center performed mailout preparation and receipt operations, clerical and analytical review activities, and data entry.

Margaret A. Smith, Bernadette J. Beasley, and **Michael T. Browne** of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, provided publication and printing management, graphics design and composition, and editorial review for print and electronic media. General direction and production management were provided by **James R. Clark**, Assistant Division Chief, and **Susan L. Rappa**, Chief, Publications Services Branch.

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

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-- 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 to 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.

INDUSTRY CLASSIFICATIONS

Data from the 2002 Economic Census are published primarily according to the 2002 North American Industry Classification System (NAICS). NAICS was first adopted in the United States, Canada, and Mexico in 1997. The 2002 Economic Census covers 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 Food Services
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), largely covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 100 subsectors (three-digit codes), 317 industry groups (four-digit codes), and, as implemented in the United States, 1,179 industries (six-digit codes).

RELATIONSHIP TO HISTORICAL INDUSTRY CLASSIFICATIONS

Prior to the 1997 Economic Census, data were published according to the Standard Industrial Classification (SIC) system. 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 1997 Economic Census *Bridge Between NAICS and SIC* demonstrates the relationships between NAICS and SIC industries. Where changes are significant, it may not be possible to construct time series that include data for points both before and after 1997.

Most industry classifications remained unchanged between 1997 and 2002, but NAICS 2002 includes substantial revisions within the construction and wholesale trade sectors, and a number of revisions for the retail trade and information sectors. These changes are noted in industry definitions and will be demonstrated in the *Bridge Between NAICS 2002 and NAICS 1997*.

For 2002, data for enterprise support establishments (those functioning primarily to support the activities of their company's operating establishments, such as a warehouse or a research and development laboratory) are included in the industry that reflects their activities (such as warehousing). For 1997, such establishments were termed auxiliaries and were excluded from industry totals.

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. (For selected industries, only payroll, employment, and classification are collected for individual establishments, while other data are collected on a consolidated basis.)

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for states, metropolitan and micropolitan statistical areas, counties, and corporate municipalities (places) including cities, towns, townships, 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 administrative sources is used as a basis for coding.

AVAILABILITY OF ADDITIONAL DATA

All results of the 2002 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on digital versatile discs (DVD-ROMs) for sale by the Census Bureau. The American FactFinder system at the Internet site allows selective retrieval and downloading of the data. For more information, including a description of reports being issued, see the Internet site, write to the U.S. Census Bureau, Washington, DC 20233-6100, or call Customer Services at 301-763-4100.

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 service trades in 1933. Censuses of construction, manufacturing, and the other business 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 and 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 report forms.

The range of industries covered in the economic census expanded between 1967 and 2002. 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. New for 2002 is coverage of four industries classified in the agriculture, forestry, and fishing sector under the SIC system: landscape architectural services, landscaping services, veterinary services, and pet care services.

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. Reports for 1997 were published primarily on the Internet and copies of 1992 reports are also available there. CD-ROMs issued from the 1987, 1992, and 1997 Economic Censuses contain databases that include all or 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 the 2002 Economic Census and related surveys is published in the *Guide to the 2002 Economic Census* at www.census.gov/econ/census02/guide. More information on the methodology, procedures, and history of the census will be published in the *History of the 2002 Economic Census* at www.census.gov/econ/www/history.html.

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Construction

SCOPE

The Construction sector (sector 23) comprises establishments primarily engaged in the construction of buildings or engineering projects (e.g., highways and utility systems). Establishments primarily engaged in the preparation of sites for new construction and establishments primarily engaged in subdividing land for sale, as building sites also are included in this sector.

Construction work done may include new work, additions, alterations, or maintenance and repairs. Activities of these establishments generally are managed at a fixed place of business, but they usually perform construction activities at multiple project sites. Production responsibilities for establishments in this sector are usually specified in (1) contracts with the owners of construction projects (prime contracts) or (2) contracts with other construction establishments (subcontracts).

Establishments primarily engaged in contracts that include responsibility for all aspects of individual construction projects are commonly known as general contractors, but also may be known as design-builders, construction managers, turnkey contractors, or (in cases where two or more establishments jointly secure a general contract) joint-venture contractors. Construction managers that provide oversight and scheduling only (i.e., agency) as well as construction managers that are responsible for the entire project (i.e., at risk) are included as general contractor type establishments. Establishments of the "general contractor type" frequently arrange construction of separate parts of their projects through subcontracts with other construction establishments.

Establishments primarily engaged in activities to produce a specific component (e.g., masonry, painting, and electrical work) of a construction project are commonly known as specialty trade contractors. Activities of specialty trade contractors are usually subcontracted from other construction establishments but, especially in remodeling and repair construction, the work may be done directly for the owner of the property.

Establishments primarily engaged in activities to construct buildings to be sold on sites that they own are known as operative builders, but also may be known as speculative builders or merchant builders. Operative builders produce buildings in a manner similar to general contractors, but their production processes also include site acquisition and securing of financial backing. Operative builders are most often associated with the construction of residential buildings. Like general contractors, they may subcontract all or part of the actual construction work on their buildings.

There are substantial differences in the types of equipment, work force skills, and other inputs required by establishments in this sector. To highlight these differences and variations in the underlying production functions, this sector is divided into three subsectors.

Subsector 236, Construction of Buildings, comprises establishments of the general contractor type and operative builders involved in the construction of buildings. Subsector 237, Heavy and Civil Engineering Construction, comprises establishments involved in the construction of engineering projects. Subsector 238, Specialty Trade Contractors, comprises establishments engaged in specialty trade activities generally needed in the construction of all types of buildings.

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

The installation and the ongoing repair and maintenance of telecommunications and utility networks is excluded from construction when the establishments performing the work are not independent contractors. Although a growing proportion of this work is subcontracted to independent contractors in the Construction Sector, the operating units of telecommunications and utility companies performing this work are included with the telecommunications or utility activities.

The tabulations for this sector do not include central administrative offices, warehouses, or other establishments that serve construction establishments within the same organization. Data for such establishments are classified according to the nature of the service they provide. For example, separate headquarters establishments are reported in NAICS Sector 55, Management of Companies and Enterprises.

The reports described below exclude establishments of firms with no paid employees. These “nonemployers,” typically self-employed individuals or partnerships operating businesses that they have not chosen to incorporate, are reported separately in *Nonemployer Statistics*. The contribution of nonemployers, relatively large for this sector, may be examined at www.census.gov/nonemployerimpact.

Definitions. Industry categories are defined in Appendix B, NAICS Codes, Titles, and Descriptions. Other terms are defined in Appendix A, Explanation of Terms.

REPORTS

The following reports provide statistics on this sector.

Industry Series. There are 31 reports, each covering a single NAICS industry (six-digit code). These reports include such statistics as number of establishments, employment, payroll, value added by construction, cost of materials, value of construction work, value of business done, capital expenditures, etc. The industry reports also include selected statistics for states. 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 data in industry reports are preliminary and subject to change in the following reports.

Geographic Area Series. There are 51 separate reports, one for each state and the District of Columbia. Each state report present similar statistics at the “all construction” level for each state.

Subject Series:

- **Industry General Summary.** This report contains industry statistics summarized in one report. It includes higher levels of aggregation than the industry reports, as well as revisions to the data made after the release of the industry reports.
- **Industry Kind Of Business and Type of Construction Summary.** This report contains industry kind of business and types of construction statistics summarized in one report. It includes higher levels of aggregation than the industry reports, as well as revisions to the data made after the release of the industry reports.
- **Geographic Area Summary.** This report contains industry and geographic area statistics summarized in one report. It includes higher levels of aggregation than the industry and state reports, as well as revisions to the data made after the release of the industry and state reports.

Other reports. Data for this sector are also included in reports with multisector coverage, including *Nonemployer Statistics*, *Comparative Statistics*, *Bridge Between 2002 NAICS and 1997 NAICS*, *Business Expenses*, and the Survey of Business Owners reports.

GEOGRAPHIC AREAS COVERED

1. The United States as a whole.
2. States and the District of Columbia.

3. Census regions. The regions are made up of groups of states as follows:

- a. Northeast region: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont
- b. Midwest region: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin
- c. South region: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia
- d. West region: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2002 data are expressed in 2002 dollars, and 1997 data, in 1997 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.

COMPARABILITY OF THE 1997 AND 2002 ECONOMIC CENSUSES

Both the 2002 Economic Census and the 1997 Economic Census present data based on the North American Industry Classification System (NAICS). There were substantial revisions made to the entire construction sector, for 2002. These changes are:

1. Each subsector has been reclassified in 2002 to:
 - 236—Construction of Buildings
 - 237—Heavy and Civil Engineering Construction
 - 238—Specialty Trade Contractors
2. Adopted several mining industries:
 - oil and gas pipeline and related structures construction, now in Industry 237120
 - site preparation and related construction activities on a contract or fee basis, now in Industry 238910.

More detailed information of NAICS changes from 1997 to 2002, may be examined at <http://www.census.gov/epcd/naics02/n02ton97.htm>.

In addition, there have been several additional data tables added, which did not exist in 1997. These tables for 2002 include e-commerce value of business done and leased and nonleased detail employment statistics by subsectors. Also included is housing starts by single NAICS industry (six-digit code).

RELIABILITY OF DATA

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

No direct measurement of these effects has been obtained except for estimation for missing or misreported data, as by the percentages shown in the tables. Precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors. More information on the reliability of the data is included in Appendix C, Methodology.

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 in a specific industry or geographic area is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

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 that are normally not reflected in construction sector census data.

Data contained in the 2002 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.

In addition, the County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county, and Statistics of U.S. Businesses provides annual statistics classified by the employment size of the enterprise, further classified by industry for the United States, and by broader categories for states and metropolitan areas.

CONTACTS FOR DATA USERS

Questions about these data may be directed to the U.S. Census Bureau, Manufacturing & Construction Division, Information Services Center, 301-763-4673 or ask.census.gov.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with these 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
S	Withheld because estimates did not meet publication standards
X	Not applicable
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
nsk Not specified by kind
– Represents zero (page image/print only)
(CC) Consolidated city
(IC) Independent city

Table 1. Employment Statistics for Establishments by Industry: 2002

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

NAICS code	Industry	Number of establishments	Number of employees		Number of construction workers in				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			Total	Construction workers	March	May	August	November	Total	Construction workers	
			A	B	C	D	E	F	G	H	
23	Construction	710 307	7 193 069	5 317 758	5 121 516	5 336 464	5 527 704	5 285 346	254 292 144	173 250 477	—
236	Construction of buildings	211 845	1 669 391	1 067 794	1 043 816	1 076 475	1 102 664	1 048 221	62 411 875	33 655 885	1
2361	Residential building construction ..	171 655	878 205	534 578	520 433	545 626	551 137	521 117	29 192 729	14 460 983	1
23611	Residential building construction	171 655	878 205	534 578	520 433	545 626	551 137	521 117	29 192 729	14 460 983	1
236115	New single-family housing construction (except operative builders)	58 488	273 202	179 473	174 346	182 710	185 669	175 166	8 268 129	4 484 340	1
236116	New multifamily housing construction (except operative builders)	4 370	43 726	27 398	28 393	26 946	27 856	26 395	1 717 075	931 265	3
236117	New housing operative builders	26 046	241 069	120 071	116 768	121 499	122 839	119 178	10 504 023	4 116 274	1
236118	Residential remodelers	82 750	320 208	207 637	200 926	214 471	214 772	200 379	8 703 503	4 929 104	1
2362	Nonresidential building construction	40 190	791 186	533 216	523 383	530 849	551 528	527 104	33 219 145	19 194 903	1
23621	Industrial building construction	2 799	95 130	71 429	70 906	70 878	72 404	71 528	3 959 552	2 625 756	2
236210	Industrial building construction	2 799	95 130	71 429	70 906	70 878	72 404	71 528	3 959 552	2 625 756	2
23622	Commercial and institutional building construction	37 391	696 056	461 787	452 477	459 971	479 124	455 576	29 259 594	16 569 146	1
236220	Commercial and institutional building construction	37 391	696 056	461 787	452 477	459 971	479 124	455 576	29 259 594	16 569 146	1
237	Heavy and civil engineering construction	49 826	1 143 246	870 569	831 418	876 546	903 716	870 598	44 322 355	31 529 169	1
2371	Utility system construction	19 808	539 615	425 266	420 677	424 868	430 495	425 023	21 814 937	16 206 421	1
23711	Water and sewer line and related structures construction	12 395	198 622	156 692	148 015	156 903	163 759	158 090	7 360 570	5 295 621	2
237110	Water and sewer line and related structures construction	12 395	198 622	156 692	148 015	156 903	163 759	158 090	7 360 570	5 295 621	2
23712	Oil and gas pipeline and related structures construction	1 418	94 323	79 237	77 646	77 486	80 508	81 309	4 032 608	3 208 112	1
237120	Oil and gas pipeline and related structures construction	1 418	94 323	79 237	77 646	77 486	80 508	81 309	4 032 608	3 208 112	1
23713	Power and communication line and related structures construction	5 995	246 669	189 336	195 015	190 479	186 228	185 624	10 421 760	7 702 688	1
237130	Power and communication line and related structures construction	5 995	246 669	189 336	195 015	190 479	186 228	185 624	10 421 760	7 702 688	1
2372	Land subdivision	8 444	52 607	18 736	21 507	18 076	17 375	17 984	2 004 436	619 248	2
23721	Land subdivision	8 444	52 607	18 736	21 507	18 076	17 375	17 984	2 004 436	619 248	2
237210	Land subdivision	8 444	52 607	18 736	21 507	18 076	17 375	17 984	2 004 436	619 248	2
2373	Highway, street, and bridge construction	11 348	410 822	319 768	284 888	326 529	346 314	321 341	15 654 087	11 281 587	1
23731	Highway, street, and bridge construction	11 348	410 822	319 768	284 888	326 529	346 314	321 341	15 654 087	11 281 587	1
237310	Highway, street, and bridge construction	11 348	410 822	319 768	284 888	326 529	346 314	321 341	15 654 087	11 281 587	1
2379	Other heavy and civil engineering construction	10 227	140 202	106 800	104 347	107 073	109 531	106 251	4 848 895	3 421 914	3
23799	Other heavy and civil engineering construction	10 227	140 202	106 800	104 347	107 073	109 531	106 251	4 848 895	3 421 914	3
237990	Other heavy and civil engineering construction	10 227	140 202	106 800	104 347	107 073	109 531	106 251	4 848 895	3 421 914	3
238	Specialty trade contractors	448 636	4 380 432	3 379 394	3 246 282	3 383 443	3 521 325	3 366 526	147 557 914	108 065 423	—
2381	Foundation, structure, and building exterior contractors	109 709	1 133 888	922 920	879 864	915 970	973 036	922 811	33 837 807	25 490 198	1
23811	Poured concrete foundation and structure contractors	27 149	301 737	254 375	235 711	255 465	271 645	254 680	9 181 232	7 169 711	2
238110	Poured concrete foundation and structure contractors	27 149	301 737	254 375	235 711	255 465	271 645	254 680	9 181 232	7 169 711	2
23812	Structural steel and precast concrete contractors	4 329	76 861	62 510	61 577	62 453	64 684	61 326	2 905 566	2 218 380	3
238120	Structural steel and precast concrete contractors	4 329	76 861	62 510	61 577	62 453	64 684	61 326	2 905 566	2 218 380	3
23813	Framing contractors	14 438	153 636	130 863	133 653	127 475	134 850	127 473	4 415 319	3 519 790	4
238130	Framing contractors	14 438	153 636	130 863	133 653	127 475	134 850	127 473	4 415 319	3 519 790	4
23814	Masonry contractors	25 763	256 634	217 735	207 076	216 468	227 906	219 490	7 165 853	5 794 248	3
238140	Masonry contractors	25 763	256 634	217 735	207 076	216 468	227 906	219 490	7 165 853	5 794 248	3
23815	Glass and glazing contractors ..	5 294	49 840	33 114	32 296	32 849	33 962	33 349	1 758 140	1 087 610	3
238150	Glass and glazing contractors	5 294	49 840	33 114	32 296	32 849	33 962	33 349	1 758 140	1 087 610	3
23816	Roofing contractors	23 222	219 329	169 958	158 681	167 751	180 851	172 549	6 026 356	4 096 633	2
238160	Roofing contractors	23 222	219 329	169 958	158 681	167 751	180 851	172 549	6 026 356	4 096 633	2
23817	Siding contractors	6 675	43 000	30 241	27 513	30 448	31 933	31 070	1 191 892	801 190	3
238170	Siding contractors	6 675	43 000	30 241	27 513	30 448	31 933	31 070	1 191 892	801 190	3
23819	Other foundation, structure, and building exterior contractors ..	2 839	32 850	24 125	23 358	23 062	27 205	22 874	1 193 449	802 636	7
238190	Other foundation, structure, and building exterior contractors	2 839	32 850	24 125	23 358	23 062	27 205	22 874	1 193 449	802 636	7

See footnotes at end of table.

Table 1. Employment Statistics for Establishments by Industry: 2002—Con.

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

NAICS code	Industry	Number of establishments	Number of employees		Number of construction workers in				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			Total	Construction workers	March	May	August	November	Total	Construction workers	
			A	B	C	D	E	F	G	H	
23	Construction—Con.										
238	Specialty trade contractors—Con.										
2382	Building equipment contractors . . .	156 888	1 836 651	1 379 434	1 351 221	1 381 862	1 414 520	1 370 134	70 521 723	51 595 537	—
23821	Electrical Contractors	62 862	763 949	597 200	581 950	596 672	616 256	593 922	29 572 975	22 336 069	1
238210	Electrical Contractors	62 862	763 949	597 200	581 950	596 672	616 256	593 922	29 572 975	22 336 069	1
23822	Plumbing, heating, and air-conditioning contractors	87 936	954 095	696 890	683 997	700 391	713 153	690 019	36 018 541	25 681 108	1
238220	Plumbing, heating, and air-conditioning contractors	87 936	954 095	696 890	683 997	700 391	713 153	690 019	36 018 541	25 681 108	1
23829	Other building equipment contractors	6 090	118 606	85 344	85 273	84 799	85 111	86 193	4 930 208	3 578 360	1
238290	Other building equipment contractors	6 090	118 606	85 344	85 273	84 799	85 111	86 193	4 930 208	3 578 360	1
2383	Building finishing contractors	119 352	886 267	682 793	652 896	686 455	715 292	676 528	26 454 300	19 149 896	1
23831	Drywall and insulation contractors	19 644	295 730	247 522	244 379	247 658	255 742	242 310	9 772 208	7 594 741	2
238310	Drywall and insulation contractors	19 644	295 730	247 522	244 379	247 658	255 742	242 310	9 772 208	7 594 741	2
23832	Painting and wall covering contractors	39 025	232 489	182 454	166 412	184 382	197 020	182 001	6 014 334	4 451 973	2
238320	Painting and wall covering contractors	39 025	232 489	182 454	166 412	184 382	197 020	182 001	6 014 334	4 451 973	2
23833	Flooring contractors	12 886	76 601	49 089	47 514	49 325	50 735	48 781	2 397 262	1 432 759	3
238330	Flooring contractors	12 886	76 601	49 089	47 514	49 325	50 735	48 781	2 397 262	1 432 759	3
23834	Tile and terrazzo contractors	8 927	58 774	43 723	41 949	44 069	44 942	43 931	1 834 142	1 259 772	4
238340	Tile and terrazzo contractors	8 927	58 774	43 723	41 949	44 069	44 942	43 931	1 834 142	1 259 772	4
23835	Finish carpentry contractors	35 094	171 836	122 460	115 731	123 599	128 588	121 921	4 708 451	3 235 982	2
238350	Finish carpentry contractors	35 094	171 836	122 460	115 731	123 599	128 588	121 921	4 708 451	3 235 982	2
23839	Other building finishing contractors	3 776	50 837	37 545	36 911	37 421	38 266	37 583	1 727 903	1 174 668	3
238390	Other building finishing contractors	3 776	50 837	37 545	36 911	37 421	38 266	37 583	1 727 903	1 174 668	3
2389	Other specialty trade contractors	62 687	523 626	394 246	362 301	399 156	418 476	397 053	16 744 084	11 829 792	1
23891	Site preparation contractors	30 589	284 528	222 469	202 990	223 784	237 126	225 974	9 769 890	7 152 966	1
238910	Site preparation contractors	30 589	284 528	222 469	202 990	223 784	237 126	225 974	9 769 890	7 152 966	1
23899	All other specialty trade contractors	32 098	239 098	171 778	159 310	175 372	181 350	171 079	6 974 194	4 676 826	2
238990	All other specialty trade contractors	32 098	239 098	171 778	159 310	175 372	181 350	171 079	6 974 194	4 676 826	2

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

Table 2. General Statistics for Establishments by Industry: 2002

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

NAICS code	Industry	E ¹	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end of year
23	Construction	1	1 208 731 383	1 196 555 587	874 853 043	560 885 077	326 143 761	321 702 544	19 081 683	20 577 852	170 528 425
236	Construction of buildings	1	525 676 863	521 849 755	282 418 326	172 207 078	114 038 356	239 431 429	3 692 567	3 896 676	27 737 381
2361	Residential building construction	2	264 751 784	262 855 123	164 032 913	93 601 674	72 327 900	98 822 210	1 426 278	2 248 519	13 563 643
23611	Residential building construction	2	264 751 784	262 855 123	164 032 913	93 601 674	72 327 900	98 822 210	1 426 278	2 248 519	13 563 643
236115	New single-family housing construction (except operative builders)	2	62 265 451	61 875 636	38 629 224	19 708 450	19 310 590	23 246 412	400 463	622 079	3 981 444
236116	New multifamily housing construction (except operative builders)	2	17 024 052	16 724 310	7 504 801	4 162 673	3 641 869	9 219 509	112 679	191 462	847 959
236117	New housing operative builders	1	140 227 156	139 220 841	87 271 038	51 444 120	36 833 234	51 949 803	505 830	907 077	5 502 444
236118	Residential remodelers	3	45 235 125	45 034 336	30 627 850	18 286 431	12 542 208	14 406 486	407 305	527 900	3 231 796
2362	Nonresidential building construction	-	260 925 079	258 994 632	118 385 413	78 605 404	41 710 455	140 609 219	2 266 289	1 648 157	14 173 737
23621	Industrial building construction	1	17 665 646	17 514 797	9 899 253	6 435 769	3 614 333	7 615 544	208 984	222 419	1 571 921
236210	Industrial building construction	1	17 665 646	17 514 797	9 899 253	6 435 769	3 614 333	7 615 544	208 984	222 419	1 571 921
23622	Commercial and institutional building construction	-	243 259 432	241 479 835	108 486 159	72 169 635	38 096 122	132 993 675	2 057 306	1 425 739	12 601 817
236220	Commercial and institutional building construction	-	243 259 432	241 479 835	108 486 159	72 169 635	38 096 122	132 993 675	2 057 306	1 425 739	12 601 817
237	Heavy and civil engineering construction	1	197 947 805	194 217 995	157 376 122	102 902 715	58 203 218	36 841 873	5 690 157	6 502 408	62 547 861
2371	Utility system construction	-	79 098 333	78 139 578	67 174 755	46 303 951	21 829 559	10 964 823	2 403 950	2 302 537	22 491 676
23711	Water and sewer line and related structures construction	1	32 669 590	32 481 745	26 817 534	16 021 607	10 983 771	5 664 212	1 045 830	1 205 264	11 894 228
237110	Water and sewer line and related structures construction	1	32 669 590	32 481 745	26 817 534	16 021 607	10 983 771	5 664 212	1 045 830	1 205 264	11 894 228
23712	Oil and gas pipeline and related structures construction	-	11 714 846	11 579 708	10 332 528	7 750 722	2 716 945	1 247 179	480 841	315 043	3 318 921
237120	Oil and gas pipeline and related structures construction	-	11 714 846	11 579 708	10 332 528	7 750 722	2 716 945	1 247 179	480 841	315 043	3 318 921
23713	Power and communication line and related structures construction	-	34 713 897	34 078 125	30 024 693	22 531 622	8 128 844	4 053 432	877 279	782 230	7 278 528
237130	Power and communication line and related structures construction	-	34 713 897	34 078 125	30 024 693	22 531 622	8 128 844	4 053 432	877 279	782 230	7 278 528
2372	Land subdivision	3	14 423 725	13 926 888	10 836 128	9 145 936	2 187 029	3 090 760	114 384	249 451	2 398 732
23721	Land subdivision	3	14 423 725	13 926 888	10 836 128	9 145 936	2 187 029	3 090 760	114 384	249 451	2 398 732
237210	Land subdivision	3	14 423 725	13 926 888	10 836 128	9 145 936	2 187 029	3 090 760	114 384	249 451	2 398 732
2373	Highway, street, and bridge construction	-	83 355 188	81 412 178	62 094 794	35 976 250	28 061 553	19 317 384	2 501 070	2 902 082	28 788 755
23731	Highway, street, and bridge construction	-	83 355 188	81 412 178	62 094 794	35 976 250	28 061 553	19 317 384	2 501 070	2 902 082	28 788 755
237310	Highway, street, and bridge construction	-	83 355 188	81 412 178	62 094 794	35 976 250	28 061 553	19 317 384	2 501 070	2 902 082	28 788 755
2379	Other heavy and civil engineering construction	2	21 070 559	20 739 350	17 270 445	11 476 577	6 125 077	3 468 905	670 754	1 048 338	8 868 698
23799	Other heavy and civil engineering construction	2	21 070 559	20 739 350	17 270 445	11 476 577	6 125 077	3 468 905	670 754	1 048 338	8 868 698
237990	Other heavy and civil engineering construction	2	21 070 559	20 739 350	17 270 445	11 476 577	6 125 077	3 468 905	670 754	1 048 338	8 868 698
238	Specialty trade contractors	1	485 106 715	480 487 838	435 058 595	285 775 284	153 902 188	45 429 243	9 698 959	10 178 768	80 243 183
2381	Foundation, structure, and building exterior contractors	2	115 105 705	114 440 849	104 710 993	66 425 427	38 950 422	9 729 856	2 265 810	2 274 581	17 105 006
23811	Poured concrete foundation and structure contractors	2	33 886 620	33 771 732	30 511 995	18 118 819	12 508 064	3 259 737	678 124	813 759	6 234 665
238110	Poured concrete foundation and structure contractors	2	33 886 620	33 771 732	30 511 995	18 118 819	12 508 064	3 259 737	678 124	813 759	6 234 665
23812	Structural steel and precast concrete contractors	2	8 770 651	8 723 843	7 985 591	5 822 444	2 209 955	738 252	342 697	198 815	1 727 597
238120	Structural steel and precast concrete contractors	2	8 770 651	8 723 843	7 985 591	5 822 444	2 209 955	738 252	342 697	198 815	1 727 597
23813	Framing contractors	1	14 580 872	14 428 519	12 649 952	8 588 075	4 214 230	1 778 567	154 317	194 665	1 097 291
238130	Framing contractors	1	14 580 872	14 428 519	12 649 952	8 588 075	4 214 230	1 778 567	154 317	194 665	1 097 291
23814	Masonry contractors	2	20 320 781	20 270 485	19 210 228	13 172 591	6 087 934	1 060 256	392 840	418 916	3 040 440
238140	Masonry contractors	2	20 320 781	20 270 485	19 210 228	13 172 591	6 087 934	1 060 256	392 840	418 916	3 040 440
23815	Glass and glazing contractors	1	6 398 245	6 269 870	6 002 683	3 501 874	2 629 183	267 187	165 390	74 448	728 564
238150	Glass and glazing contractors	1	6 398 245	6 269 870	6 002 683	3 501 874	2 629 183	267 187	165 390	74 448	728 564
23816	Roofing contractors	2	23 104 101	23 012 307	21 119 640	12 812 235	8 399 199	1 892 667	364 132	450 263	3 280 651
238160	Roofing contractors	2	23 104 101	23 012 307	21 119 640	12 812 235	8 399 199	1 892 667	364 132	450 263	3 280 651
23817	Siding contractors	1	4 334 238	4 288 346	3 842 280	2 272 931	1 615 242	446 065	71 961	67 347	489 483
238170	Siding contractors	1	4 334 238	4 288 346	3 842 280	2 272 931	1 615 242	446 065	71 961	67 347	489 483
23819	Other foundation, structure, and building exterior contractors	-	3 710 197	3 675 748	3 388 623	2 136 458	1 286 614	287 125	96 350	56 368	506 316
238190	Other foundation, structure, and building exterior contractors	-	3 710 197	3 675 748	3 388 623	2 136 458	1 286 614	287 125	96 350	56 368	506 316
2382	Building equipment contractors	1	217 478 341	215 586 157	197 756 531	129 625 207	70 023 508	17 829 626	3 556 524	3 330 942	26 747 191
23821	Electrical Contractors	1	83 377 541	82 663 284	78 140 458	52 085 071	26 769 643	4 522 826	1 299 210	1 196 416	9 590 606
238210	Electrical Contractors	1	83 377 541	82 663 284	78 140 458	52 085 071	26 769 643	4 522 826	1 299 210	1 196 416	9 590 606
23822	Plumbing, heating, and air-conditioning contractors	1	119 389 455	118 447 213	105 962 075	67 463 833	39 440 484	12 485 138	1 920 145	1 849 244	15 044 183
238220	Plumbing, heating, and air-conditioning contractors	1	119 389 455	118 447 213	105 962 075	67 463 833	39 440 484	12 485 138	1 920 145	1 849 244	15 044 183
23829	Other building equipment contractors	1	14 711 346	14 475 660	13 653 998	10 076 303	3 813 381	821 662	337 170	285 282	2 112 402
238290	Other building equipment contractors	1	14 711 346	14 475 660	13 653 998	10 076 303	3 813 381	821 662	337 170	285 282	2 112 402

See footnotes at end of table.

Table 2. General Statistics for Establishments by Industry: 2002—Con.

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

NAICS code	Industry	E ¹	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end of year
23	Construction—Con.										
238	Specialty trade contractors—Con.										
2383	Building finishing contractors	2	86 652 636	85 945 755	76 498 805	51 280 535	25 925 151	9 446 950	1 474 636	1 295 500	9 067 663
23831	Drywall and insulation contractors	1	30 906 825	30 824 777	27 060 957	18 068 021	9 074 984	3 763 820	455 340	348 604	2 419 356
238310	Drywall and insulation contractors	1	30 906 825	30 824 777	27 060 957	18 068 021	9 074 984	3 763 820	455 340	348 604	2 419 356
23832	Painting and wall covering contractors	2	16 958 293	16 868 810	15 329 694	11 523 765	3 895 412	1 539 116	353 344	326 511	2 442 147
238320	Painting and wall covering contractors	2	16 958 293	16 868 810	15 329 694	11 523 765	3 895 412	1 539 116	353 344	326 511	2 442 147
23833	Flooring contractors	2	9 518 745	9 387 919	8 279 426	4 788 567	3 621 685	1 108 493	162 617	128 397	956 465
238330	Flooring contractors	2	9 518 745	9 387 919	8 279 426	4 788 567	3 621 685	1 108 493	162 617	128 397	956 465
23834	Tile and terrazzo contractors	2	5 908 510	5 852 769	5 634 129	3 747 534	1 942 336	218 640	81 433	95 760	639 441
238340	Tile and terrazzo contractors	2	5 908 510	5 852 769	5 634 129	3 747 534	1 942 336	218 640	81 433	95 760	639 441
23835	Finish carpentry contractors	3	18 439 604	18 134 124	15 621 018	9 737 285	6 189 212	2 513 106	298 264	321 118	2 093 450
238350	Finish carpentry contractors	3	18 439 604	18 134 124	15 621 018	9 737 285	6 189 212	2 513 106	298 264	321 118	2 093 450
23839	Other building finishing contractors	1	4 920 658	4 877 356	4 573 582	3 415 363	1 201 521	303 774	123 638	75 109	516 805
238390	Other building finishing contractors	1	4 920 658	4 877 356	4 573 582	3 415 363	1 201 521	303 774	123 638	75 109	516 805
2389	Other specialty trade contractors	1	65 870 033	64 515 077	56 092 265	38 444 115	19 003 107	8 422 812	2 401 989	3 277 745	27 323 322
23891	Site preparation contractors	1	38 290 034	37 754 592	32 533 940	23 286 650	9 782 732	5 220 653	1 702 202	2 332 166	19 683 890
238910	Site preparation contractors	1	38 290 034	37 754 592	32 533 940	23 286 650	9 782 732	5 220 653	1 702 202	2 332 166	19 683 890
23899	All other specialty trade contractors	2	27 579 999	26 760 485	23 558 326	15 157 465	9 220 375	3 202 159	699 787	945 580	7 639 432
238990	All other specialty trade contractors	2	27 579 999	26 760 485	23 558 326	15 157 465	9 220 375	3 202 159	699 787	945 580	7 639 432

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

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

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

Table 3. Detailed Statistics for Establishments by Subsector: 2002

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

Item	Value	Relative standard error of estimate (percent)
23, Construction		
All establishments	number.. 710 307	-
All employees	number.. 7 193 069	-
Construction workers in March	number.. 5 121 516	-
Construction workers in May	number.. 5 336 464	-
Construction workers in August	number.. 5 527 704	-
Construction workers in November	number.. 5 285 346	-
Average number of construction workers	number.. 5 317 758	-
Other employees in March	number.. 1 954 203	-
Other employees in May	number.. 1 818 293	-
Other employees in August	number.. 1 860 101	-
Other employees in November	number.. 1 868 647	-
Average number of other employees	number.. 1 875 311	-
Total payroll	\$1,000.. 254 292 144	-
Construction workers	\$1,000.. 173 250 477	-
Other employees	\$1,000.. 81 041 666	-
First-quarter payroll, all employees	\$1,000.. 59 468 237	-
Fringe benefits, all employees	\$1,000.. 60 037 983	-
Legally required expenditures	\$1,000.. 35 557 753	-
Voluntary expenditures	\$1,000.. 24 480 231	-
Value of business done ¹	\$1,000.. 1 208 731 383	-
Value of construction work ¹	\$1,000.. 1 196 555 587	-
Value of construction work on government owned projects	\$1,000.. 300 087 451	-
Value of construction work on federally owned projects	\$1,000.. 68 753 843	1
Value of construction work on state and locally owned projects	\$1,000.. 231 333 608	-
Value of construction work on privately owned projects	\$1,000.. 896 468 136	-
Other business receipts	\$1,000.. 12 175 796	1
Value of construction work subcontracted in from others	\$1,000.. 407 249 075	-
Net value of construction work	\$1,000.. 874 853 043	-
Value added	\$1,000.. 560 885 077	-
Selected costs	\$1,000.. 647 846 306	-
Materials, parts, and supplies	\$1,000.. 310 680 005	-
Construction work subcontracted out to others	\$1,000.. 321 702 544	-
Selected power, fuels, and lubricants	\$1,000.. 15 463 757	-
Purchased electricity	\$1,000.. 2 574 813	-
Natural gas and manufactured gas	\$1,000.. 1 071 621	1
Gasoline and diesel fuel	\$1,000.. 10 953 670	-
On-highway use of gasoline and diesel fuel	\$1,000.. 8 019 037	-
Off-highway use of gasoline and diesel fuel	\$1,000.. 2 934 633	1
All other fuels and lubricants	\$1,000.. 863 652	1
Total rental costs	\$1,000.. 19 081 683	-
Machinery and equipment	\$1,000.. 12 562 040	1
Buildings	\$1,000.. 6 519 643	-
Selected purchased services	\$1,000.. 33 126 769	1
Communication services	\$1,000.. 9 455 240	-
Repairs to buildings and other structures	\$1,000.. 5 022 231	1
Repairs to machinery and equipment	\$1,000.. 8 582 255	1
Legal services	\$1,000.. 2 197 008	1
Accounting, auditing, and bookkeeping services	\$1,000.. 3 579 958	2
Advertising and promotional services	\$1,000.. 4 290 078	1
Gross book value of depreciable assets, beginning of year	\$1,000.. 156 973 009	-
Capital expenditures, except land	\$1,000.. 20 577 852	1
Retirements and disposition of depreciable assets	\$1,000.. 7 022 435	1
Gross book value of depreciable assets, end of year	\$1,000.. 170 528 425	-
Depreciation charges during year	\$1,000.. 18 193 890	-
Establishments with inventories	number.. 116 825	-
Value of construction work for establishments with inventories	\$1,000.. 321 921 238	-
End-of-2002, inventories of materials and supplies	\$1,000.. 17 015 820	2
End-of-2001, inventories of materials and supplies	\$1,000.. 15 341 063	2
Establishments with no inventories	number.. 539 613	-
Value of construction work for establishments with no inventories	\$1,000.. 819 975 766	-
Establishments not reporting inventories	number.. 53 869	-
Value of construction work for establishments not reporting inventories	\$1,000.. 54 658 583	-
236, Construction of buildings		
All establishments	number.. 211 845	1
All employees	number.. 1 669 391	1
Construction workers in March	number.. 1 043 816	1
Construction workers in May	number.. 1 076 475	1
Construction workers in August	number.. 1 102 664	1
Construction workers in November	number.. 1 048 221	1
Average number of construction workers	number.. 1 067 794	1
Other employees in March	number.. 609 523	1
Other employees in May	number.. 582 497	1
Other employees in August	number.. 601 876	1
Other employees in November	number.. 612 490	1
Average number of other employees	number.. 601 596	1
Total payroll	\$1,000.. 62 411 875	-
Construction workers	\$1,000.. 33 655 885	1
Other employees	\$1,000.. 28 755 989	-
First-quarter payroll, all employees	\$1,000.. 14 895 997	-
Fringe benefits, all employees	\$1,000.. 12 364 841	-
Legally required expenditures	\$1,000.. 7 943 423	1
Voluntary expenditures	\$1,000.. 4 421 418	1

See footnotes at end of table.

Table 3. Detailed Statistics for Establishments by Subsector: 2002—Con.

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

Item	Value	Relative standard error of estimate (percent)
23, Construction—Con.		
236, Construction of buildings—Con.		
Value of business done ¹	\$1,000 .. 525 676 863	—
Value of construction work ¹	\$1,000 .. 521 849 755	—
Value of construction work on government owned projects	\$1,000 .. 104 815 339	1
Value of construction work on federally owned projects	\$1,000 .. 28 819 656	1
Value of construction work on state and locally owned projects	\$1,000 .. 75 995 683	1
Value of construction work on privately owned projects	\$1,000 .. 417 034 415	1
Other business receipts	\$1,000 .. 3 827 108	3
Value of construction work subcontracted in from others	\$1,000 .. 79 261 110	1
Net value of construction work	\$1,000 .. 282 418 326	1
Value added	\$1,000 .. 172 207 078	1
Selected costs	\$1,000 .. 353 469 784	1
Materials, parts, and supplies	\$1,000 .. 109 872 324	1
Construction work subcontracted out to others	\$1,000 .. 239 431 429	1
Selected power, fuels, and lubricants	\$1,000 .. 4 166 031	1
Purchased electricity	\$1,000 .. 1 206 252	1
Natural gas and manufactured gas	\$1,000 .. 417 702	1
Gasoline and diesel fuel	\$1,000 .. 2 369 817	1
On-highway use of gasoline and diesel fuel	\$1,000 .. 1 973 155	1
Off-highway use of gasoline and diesel fuel	\$1,000 .. 396 662	1
All other fuels and lubricants	\$1,000 .. 172 260	1
Total rental costs	\$1,000 .. 3 692 567	1
Machinery and equipment	\$1,000 .. 1 846 828	1
Buildings	\$1,000 .. 1 845 739	1
Selected purchased services	\$1,000 .. 10 103 132	1
Communication services	\$1,000 .. 3 798 230	1
Repairs to buildings and other structures	\$1,000 .. 1 411 511	3
Repairs to machinery and equipment	\$1,000 .. 1 503 089	2
Legal services	\$1,000 .. 808 353	2
Accounting, auditing, and bookkeeping services	\$1,000 .. 908 366	6
Advertising and promotional services	\$1,000 .. 1 673 583	2
Gross book value of depreciable assets, beginning of year	\$1,000 .. 25 229 323	1
Capital expenditures, except land	\$1,000 .. 3 896 676	1
Retirements and disposition of depreciable assets	\$1,000 .. 1 388 618	2
Gross book value of depreciable assets, end of year	\$1,000 .. 27 737 381	1
Depreciation charges during year	\$1,000 .. 2 843 938	1
Establishments with inventories	number .. 19 614	—
Value of construction work for establishments with inventories	\$1,000 .. 86 960 506	—
End-of-2002, inventories of materials and supplies	\$1,000 .. 9 290 012	3
End-of-2001, inventories of materials and supplies	\$1,000 .. 8 104 865	3
Establishments with no inventories	number .. 188 588	—
Value of construction work for establishments with no inventories	\$1,000 .. 427 358 529	—
Establishments not reporting inventories	number .. 3 643	—
Value of construction work for establishments not reporting inventories	\$1,000 .. 7 530 720	—
237, Heavy and civil engineering construction		
All establishments	number .. 49 826	1
All employees	number .. 1 143 246	1
Construction workers in March	number .. 831 418	1
Construction workers in May	number .. 876 546	1
Construction workers in August	number .. 903 716	1
Construction workers in November	number .. 870 598	1
Average number of construction workers	number .. 870 569	1
Other employees in March	number .. 277 635	1
Other employees in May	number .. 272 239	1
Other employees in August	number .. 272 480	1
Other employees in November	number .. 268 353	1
Average number of other employees	number .. 272 677	1
Total payroll	\$1,000 .. 44 322 355	1
Construction workers	\$1,000 .. 31 529 169	1
Other employees	\$1,000 .. 12 793 186	1
First-quarter payroll, all employees	\$1,000 .. 9 824 801	1
Fringe benefits, all employees	\$1,000 .. 11 236 696	1
Legally required expenditures	\$1,000 .. 6 310 075	1
Voluntary expenditures	\$1,000 .. 4 926 620	1
Value of business done ¹	\$1,000 .. 197 947 805	1
Value of construction work ¹	\$1,000 .. 194 217 995	1
Value of construction work on government owned projects	\$1,000 .. 96 068 375	1
Value of construction work on federally owned projects	\$1,000 .. 14 342 525	1
Value of construction work on state and locally owned projects	\$1,000 .. 81 725 850	1
Value of construction work on privately owned projects	\$1,000 .. 98 149 620	1
Other business receipts	\$1,000 .. 3 729 811	2
Value of construction work subcontracted in from others	\$1,000 .. 50 424 626	1
Net value of construction work	\$1,000 .. 157 376 122	1
Value added	\$1,000 .. 102 902 715	1
Selected costs	\$1,000 .. 95 045 091	1
Materials, parts, and supplies	\$1,000 .. 54 375 012	1
Construction work subcontracted out to others	\$1,000 .. 36 841 873	1
Selected power, fuels, and lubricants	\$1,000 .. 3 828 206	1
Purchased electricity	\$1,000 .. 386 117	1
Natural gas and manufactured gas	\$1,000 .. 240 206	2
Gasoline and diesel fuel	\$1,000 .. 2 865 672	1
On-highway use of gasoline and diesel fuel	\$1,000 .. 1 460 386	1
Off-highway use of gasoline and diesel fuel	\$1,000 .. 1 405 286	1
All other fuels and lubricants	\$1,000 .. 336 211	1

See footnotes at end of table.

Table 3. Detailed Statistics for Establishments by Subsector: 2002—Con.

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

Item	Value	Relative standard error of estimate (percent)
23, Construction—Con.		
237, Heavy and civil engineering construction—Con.		
Total rental costs	\$1,000.. 5 690 157	1
Machinery and equipment	\$1,000.. 4 907 474	1
Buildings	\$1,000.. 782 684	1
Selected purchased services	\$1,000.. 6 911 248	1
Communication services	\$1,000.. 1 498 178	1
Repairs to buildings and other structures	\$1,000.. 1 219 216	1
Repairs to machinery and equipment	\$1,000.. 2 876 605	1
Legal services	\$1,000.. 429 924	2
Accounting, auditing, and bookkeeping services	\$1,000.. 530 690	3
Advertising and promotional services	\$1,000.. 356 636	4
Gross book value of depreciable assets, beginning of year	\$1,000.. 58 609 747	1
Capital expenditures, except land	\$1,000.. 6 502 408	1
Retirements and disposition of depreciable assets	\$1,000.. 2 564 294	1
Gross book value of depreciable assets, end of year	\$1,000.. 62 547 861	1
Depreciation charges during year	\$1,000.. 6 329 575	1
Establishments with inventories	number.. 8 339	—
Value of construction work for establishments with inventories	\$1,000.. 57 852 336	—
End-of-2002, inventories of materials and supplies	\$1,000.. 2 167 698	6
End-of-2001, inventories of materials and supplies	\$1,000.. 1 965 445	4
Establishments with no inventories	number.. 37 184	—
Value of construction work for establishments with no inventories	\$1,000.. 127 146 187	—
Establishments not reporting inventories	number.. 4 302	—
Value of construction work for establishments not reporting inventories	\$1,000.. 9 219 471	—
238, Specialty trade contractors		
All establishments	number.. 448 636	1
All employees	number.. 4 380 432	—
Construction workers in March	number.. 3 246 282	1
Construction workers in May	number.. 3 383 443	—
Construction workers in August	number.. 3 521 325	—
Construction workers in November	number.. 3 366 526	—
Average number of construction workers	number.. 3 379 394	—
Other employees in March	number.. 1 067 045	—
Other employees in May	number.. 963 558	—
Other employees in August	number.. 985 745	—
Other employees in November	number.. 987 804	—
Average number of other employees	number.. 1 001 038	—
Total payroll	\$1,000.. 147 557 914	—
Construction workers	\$1,000.. 108 065 423	—
Other employees	\$1,000.. 39 492 491	—
First-quarter payroll, all employees	\$1,000.. 34 747 439	—
Fringe benefits, all employees	\$1,000.. 36 436 447	—
Legally required expenditures	\$1,000.. 21 304 254	—
Voluntary expenditures	\$1,000.. 15 132 193	—
Value of business done ¹	\$1,000.. 485 106 715	—
Value of construction work ¹	\$1,000.. 480 487 838	—
Value of construction work on government owned projects	\$1,000.. 99 203 737	1
Value of construction work on federally owned projects	\$1,000.. 25 591 662	1
Value of construction work on state and locally owned projects	\$1,000.. 73 612 075	1
Value of construction work on privately owned projects	\$1,000.. 381 284 100	—
Other business receipts	\$1,000.. 4 618 877	1
Value of construction work subcontracted in from others	\$1,000.. 277 563 339	—
Net value of construction work	\$1,000.. 435 058 595	—
Value added	\$1,000.. 285 775 284	—
Selected costs	\$1,000.. 199 331 431	—
Materials, parts, and supplies	\$1,000.. 146 432 669	—
Construction work subcontracted out to others	\$1,000.. 45 429 243	1
Selected power, fuels, and lubricants	\$1,000.. 7 469 519	1
Purchased electricity	\$1,000.. 982 444	1
Natural gas and manufactured gas	\$1,000.. 413 713	2
Gasoline and diesel fuel	\$1,000.. 5 718 180	1
On-highway use of gasoline and diesel fuel	\$1,000.. 4 585 495	1
Off-highway use of gasoline and diesel fuel	\$1,000.. 1 132 685	1
All other fuels and lubricants	\$1,000.. 355 181	3
Total rental costs	\$1,000.. 9 698 959	1
Machinery and equipment	\$1,000.. 5 807 739	1
Buildings	\$1,000.. 3 891 220	1
Selected purchased services	\$1,000.. 16 112 388	1
Communication services	\$1,000.. 4 158 832	1
Repairs to buildings and other structures	\$1,000.. 2 391 504	1
Repairs to machinery and equipment	\$1,000.. 4 202 561	1
Legal services	\$1,000.. 958 730	3
Accounting, auditing, and bookkeeping services	\$1,000.. 2 140 902	2
Advertising and promotional services	\$1,000.. 2 259 859	2
Gross book value of depreciable assets, beginning of year	\$1,000.. 73 133 939	1
Capital expenditures, except land	\$1,000.. 10 178 768	1
Retirements and disposition of depreciable assets	\$1,000.. 3 069 524	2
Gross book value of depreciable assets, end of year	\$1,000.. 80 243 183	1
Depreciation charges during year	\$1,000.. 9 020 377	1
Establishments with inventories	number.. 88 872	—
Value of construction work for establishments with inventories	\$1,000.. 177 108 396	—
End-of-2002, inventories of materials and supplies	\$1,000.. 5 558 110	1
End-of-2001, inventories of materials and supplies	\$1,000.. 5 270 752	1
Establishments with no inventories	number.. 313 841	—

See footnotes at end of table.

Table 3. Detailed Statistics for Establishments by Subsector: 2002—Con.

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

Item	Value	Relative standard error of estimate (percent)
23, Construction—Con.		
238, Specialty trade contractors—Con.		
Value of construction work for establishments with no inventories \$1,000..	265 471 050	—
Establishments not reporting inventories number..	45 924	—
Value of construction work for establishments not reporting inventores \$1,000..	37 908 392	—

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

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

Table 4. Selected Statistics for Establishments by Employment Size Class and Subsector: 2002

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

Employment size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
		A	B	C	D	E	F	G	H	I	J
23, Construction											
All establishments ...	1	710 307	7 193 069	254 292 144	1 208 731 383	1 196 555 587	874 853 043	560 885 077	326 143 761	321 702 544	—
Establishments with—											
1 to 4 employees	—	421 959	865 891	19 498 946	124 831 521	123 910 656	94 872 602	55 536 892	40 256 574	29 038 054	1
5 to 9 employees	—	140 498	890 968	24 827 472	117 135 282	116 095 959	90 468 772	55 960 454	35 547 641	25 627 187	1
10 to 19 employees	—	78 917	1 046 853	34 444 000	147 886 386	146 360 984	112 281 565	71 127 343	42 679 623	34 079 419	1
20 to 49 employees	—	46 625	1 386 208	52 393 597	221 316 984	218 703 496	164 322 978	106 280 742	60 655 724	54 380 518	1
50 to 99 employees	—	13 649	930 246	37 804 507	174 077 659	172 139 219	123 353 305	80 036 042	45 255 702	48 785 914	1
100 to 249 employees	—	6 640	981 340	41 156 950	203 585 889	201 563 504	140 211 214	91 917 550	50 316 049	61 352 290	1
250 to 499 employees	—	1 434	484 560	20 011 585	105 170 732	103 950 878	69 236 452	46 824 967	23 631 339	34 714 425	1
500 to 999 employees	—	422	283 433	11 519 446	59 183 949	58 626 539	40 034 149	24 889 336	15 702 223	18 592 390	—
1,000 employees or more ...	—	163	323 571	12 635 641	55 542 982	55 204 352	40 072 006	28 311 751	12 098 865	15 132 346	—
236, Construction of buildings											
All establishments ...	1	211 845	1 669 391	62 411 875	525 676 863	521 849 755	282 418 326	172 207 078	114 038 356	239 431 429	1
Establishments with—											
1 to 4 employees	—	141 217	284 215	6 800 025	64 796 866	64 432 451	41 448 885	20 675 830	21 137 471	22 983 565	1
5 to 9 employees	—	37 587	236 116	7 076 543	53 096 207	52 684 154	32 878 797	17 985 011	15 305 838	19 805 358	2
10 to 19 employees	—	19 174	253 142	8 860 730	63 120 788	62 605 569	36 606 706	21 182 335	15 939 590	25 998 863	2
20 to 49 employees	—	9 518	281 137	11 469 526	86 343 964	85 461 571	45 096 199	28 201 452	17 777 140	40 365 372	2
50 to 99 employees	—	2 652	181 750	8 201 014	72 567 861	71 973 429	35 934 273	23 143 022	13 385 682	36 039 156	1
100 to 249 employees	—	1 253	188 140	8 816 368	89 068 914	88 505 184	43 806 706	29 117 070	15 253 366	44 698 478	1
250 to 499 employees	—	311	106 151	4 881 222	49 021 685	48 618 035	23 187 029	16 609 924	6 980 755	25 431 006	1
500 to 999 employees	—	89	61 644	2 752 517	23 618 721	23 567 595	10 888 572	6 848 011	4 091 687	12 679 023	—
1,000 employees or more ...	—	44	77 097	3 553 930	24 041 857	24 001 766	12 571 159	8 444 424	4 166 826	11 430 607	—
237, Heavy and civil engineering construction											
All establishments ...	1	49 826	1 143 246	44 322 355	197 947 805	194 217 995	157 376 122	102 902 715	58 203 218	36 841 873	1
Establishments with—											
1 to 4 employees	—	22 853	48 284	1 302 926	8 923 713	8 756 145	7 359 856	5 515 913	2 011 511	1 396 289	3
5 to 9 employees	—	9 551	60 992	1 964 275	9 003 085	8 861 641	7 646 234	5 327 258	2 460 421	1 215 406	3
10 to 19 employees	—	7 334	97 884	3 688 848	14 944 961	14 683 160	12 537 023	8 461 132	4 337 692	2 146 136	3
20 to 49 employees	—	5 895	180 813	7 105 195	29 897 953	29 404 326	24 639 015	15 922 305	9 210 337	4 765 311	2
50 to 99 employees	—	2 231	153 954	6 283 942	28 267 451	27 760 529	22 287 890	13 982 999	8 811 812	5 472 639	1
100 to 249 employees	—	1 406	211 743	8 831 830	41 167 741	40 225 757	31 044 797	19 757 529	12 229 252	9 180 960	1
250 to 499 employees	—	362	123 703	5 024 164	23 628 486	23 049 531	17 462 705	11 363 071	6 678 589	5 586 827	1
500 to 999 employees	—	121	83 206	3 391 876	17 745 433	17 399 244	13 527 471	7 462 351	6 411 309	3 871 773	1
1,000 employees or more ...	—	73	182 667	6 729 298	24 368 982	24 077 662	20 871 131	15 110 157	6 052 294	3 206 531	—
238, Specialty trade contractors											
All establishments ...	1	448 636	4 380 432	147 557 914	485 106 715	480 487 838	435 058 595	285 775 284	153 902 188	45 429 243	—
Establishments with—											
1 to 4 employees	—	257 889	533 392	11 395 995	51 110 941	50 722 061	46 063 860	29 345 149	17 107 592	4 658 200	1
5 to 9 employees	—	93 360	593 860	15 786 654	55 035 990	54 550 164	49 943 741	32 648 185	17 781 382	4 606 423	1
10 to 19 employees	—	52 410	695 826	21 894 422	69 820 637	69 072 255	63 137 836	41 483 877	22 402 340	5 934 420	1
20 to 49 employees	—	31 212	924 258	33 819 375	105 075 067	103 837 598	94 587 764	62 156 985	33 668 247	9 249 834	1
50 to 99 employees	—	8 767	594 541	23 319 051	73 242 347	72 405 261	65 131 142	42 910 021	23 058 208	7 274 118	1
100 to 249 employees	—	3 980	581 457	23 508 752	73 349 234	72 832 563	65 359 711	43 042 951	22 833 430	7 472 852	1
250 to 499 employees	—	761	254 706	10 106 199	32 520 560	32 283 311	28 586 719	18 851 972	9 971 996	3 696 592	2
500 to 999 employees	—	211	138 583	5 375 053	17 819 796	17 659 701	15 618 106	10 578 974	5 199 227	2 041 595	1
1,000 employees or more ...	—	46	63 807	2 352 413	7 132 143	7 124 924	6 629 716	4 757 170	1 879 765	495 208	2

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

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

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

Table 5. Selected Statistics for Establishments by Value of Business Done Size Class and Subsector: 2002

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

Dollar value size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
											A
23, Construction											
All establishments ...	1	710 307	7 193 069	254 292 144	1 208 731 383	1 196 555 587	874 853 043	560 885 077	326 143 761	321 702 544	—
Establishments with value of business done—											
Less than \$25,000	1	9 184	S	55 912	174 231	173 258	159 336	118 022	42 287	13 922	5
\$25,000 to \$49,999	—	31 711	S	374 442	1 190 938	1 183 787	1 055 472	733 351	329 273	128 315	2
\$50,000 to \$99,999	—	75 096		1 590 012	5 609 309	5 576 854	4 907 577	3 264 809	1 675 225	669 276	2
\$100,000 to \$249,999	—	183 250		8 043 841	30 436 974	30 238 742	26 458 166	17 307 078	9 349 321	3 780 575	1
\$250,000 to \$499,999	—	138 335		562 725	49 104 576	48 725 428	42 131 891	26 920 808	15 590 321	6 593 537	1
\$500,000 to \$999,999	—	106 324		720 566	19 742 727	19 742 727	17 307 078	9 349 321	3 780 575	1 392 547	1
\$1,000,000 to \$2,499,999	—	89 725		1 105 349	36 093 259	36 093 259	33 005 654	20 975 278	12 779 251	24 651 362	1
\$2,500,000 to \$4,999,999	—	37 075		866 859	32 085 167	32 085 167	27 799 231	10 842 572	6 903 119	25 956 659	1
\$5,000,000 to \$9,999,999	—	20 923		847 820	33 950 854	33 950 854	142 188 513	109 313 274	68 779 814	32 875 239	1
\$10,000,000 or more	—	18 684		2 481 787	109 218 476	109 218 476	628 407 124	412 766 011	269 042 841	215 641 113	—
236, Construction of buildings											
All establishments ...	1	211 845	1 669 391	62 411 875	525 676 863	521 849 755	282 418 326	172 207 078	114 038 356	239 431 429	1
Establishments with value of business done—											
Less than \$25,000	2	795	S	5 161	14 444	14 365	10 900	7 770	3 210	3 465	16
\$25,000 to \$49,999	—	7 794	S	89 457	298 703	297 840	229 810	155 097	75 576	68 030	5
\$50,000 to \$99,999	—	20 057		384 356	1 502 095	1 498 665	1 114 763	688 134	430 060	383 902	3
\$100,000 to \$249,999	—	51 043		1 921 852	8 426 577	8 394 163	6 182 891	3 708 619	2 506 687	2 211 272	2
\$250,000 to \$499,999	—	39 304		2 899 057	14 047 130	13 971 220	9 997 128	5 703 059	4 369 979	3 974 091	2
\$500,000 to \$999,999	—	33 648		162 156	4 273 122	4 273 122	16 224 813	8 938 259	7 457 515	7 402 428	2
\$1,000,000 to \$2,499,999	—	30 764		237 041	7 715 625	7 715 625	30 921 628	16 568 074	14 755 322	16 709 098	2
\$2,500,000 to \$4,999,999	—	12 936		166 575	6 334 087	6 334 087	27 157 445	14 686 271	12 834 413	17 764 435	2
\$5,000,000 to \$9,999,999	—	7 590		158 410	6 590 154	6 590 154	51 443 327	28 785 153	16 092 880	22 658 173	3
\$10,000,000 or more	—	7 914		667 511	32 199 004	32 199 004	330 050 328	161 793 794	105 658 916	58 382 788	1
237, Heavy and civil engineering construction											
All establishments ...	1	49 826	1 143 246	44 322 355	197 947 805	194 217 995	157 376 122	102 902 715	58 203 218	36 841 873	1
Establishments with value of business done—											
Less than \$25,000	5	232	S	1 183	3 888	3 888	3 536	2 625	912	352	26
\$25,000 to \$49,999	—	1 489	S	16 706	57 180	56 926	49 554	36 607	13 201	7 372	11
\$50,000 to \$99,999	—	3 642		86 169	275 285	271 551	235 764	169 447	70 051	35 787	7
\$100,000 to \$249,999	—	8 903		21 187	431 467	431 467	1 302 114	933 484	393 757	158 714	4
\$250,000 to \$499,999	—	8 101		32 437	2 935 896	2 893 591	2 567 182	1 819 539	789 949	326 409	4
\$500,000 to \$999,999	—	7 914		54 801	1 517 330	1 517 330	5 465 484	3 510 132	1 552 524	579 503	4
\$1,000,000 to \$2,499,999	—	8 316		103 818	3 582 977	3 582 977	13 141 291	7 976 280	3 610 339	1 740 456	3
\$2,500,000 to \$4,999,999	—	4 469		105 177	3 909 372	3 909 372	13 219 216	9 094 453	4 382 831	2 210 659	3
\$5,000,000 to \$9,999,999	—	3 066		123 062	4 977 683	4 977 683	21 013 265	11 607 774	6 449 594	3 375 909	3
\$10,000,000 or more	—	3 695		695 299	28 876 281	28 876 281	134 381 295	67 752 374	40 940 060	28 406 712	1
238, Specialty trade contractors											
All establishments ...	1	448 636	4 380 432	147 557 914	485 106 715	480 487 838	435 058 595	285 775 284	153 902 188	45 429 243	—
Establishments with value of business done—											
Less than \$25,000	1	8 156	S	49 567	155 898	155 005	144 900	107 627	38 166	10 105	5
\$25,000 to \$49,999	—	22 428	S	268 279	835 055	829 021	776 108	541 648	240 495	52 913	3
\$50,000 to \$99,999	—	51 397		1 119 487	3 831 929	3 806 638	3 557 050	2 407 228	1 175 113	249 588	2
\$100,000 to \$249,999	—	123 304		5 690 522	20 524 442	20 383 750	18 973 161	12 664 975	6 448 877	1 410 590	1
\$250,000 to \$499,999	—	90 930		9 315 210	32 121 550	31 860 618	29 567 581	19 398 210	10 430 303	2 293 037	1
\$500,000 to \$999,999	—	64 762		503 609	13 952 275	13 952 275	41 702 294	27 391 567	14 676 592	3 410 616	1
\$1,000,000 to \$2,499,999	—	50 646		764 489	24 794 657	24 794 657	77 184 998	46 430 924	25 413 590	6 201 808	1
\$2,500,000 to \$4,999,999	—	19 670		595 106	21 841 708	21 841 708	61 465 911	40 122 394	22 110 669	5 981 565	1
\$5,000,000 to \$9,999,999	—	10 267		566 348	22 383 017	22 383 017	62 890 765	41 079 159	22 584 997	6 841 157	1
\$10,000,000 or more	—	7 076		1 118 977	48 143 192	48 143 192	144 997 635	95 631 552	50 783 385	18 977 866	1

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

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

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

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction										
Total	710 307	7 193 069	254 292 144	1 208 731 383	1 196 555 587	321 702 544	874 853 043	560 885 077	—	—
Legal form of organization:										
Corporate	476 321	6 132 102	225 780 276	1 045 193 891	1 034 760 168	279 541 574	755 218 594	485 759 718	—	—
Noncorporate	233 986	1 060 966	28 511 868	163 537 493	161 795 419	42 160 971	119 634 449	75 125 359	1	1
Individual proprietorship	184 881	582 749	12 112 752	59 138 751	58 729 469	10 421 370	48 308 099	29 869 450	1	1
Partnership	41 763	419 325	14 509 150	94 262 497	93 005 365	28 255 252	64 750 113	41 052 564	1	1
Other noncorporate and unknown	7 342	58 892	1 889 966	10 136 245	10 060 586	3 484 349	6 576 237	4 203 345	3	3
236, Construction of buildings										
Total	211 845	1 669 391	62 411 875	525 676 863	521 849 755	239 431 429	282 418 326	172 207 078	—	1
Legal form of organization:										
Corporate	144 293	1 369 791	53 358 540	444 002 959	440 971 784	206 755 415	234 216 369	144 231 988	1	1
Noncorporate	67 552	299 600	9 053 334	81 673 904	80 877 971	32 676 014	48 201 957	27 975 091	1	2
Individual proprietorship	51 241	147 517	3 052 260	21 004 213	20 902 504	7 312 384	13 590 120	7 603 017	3	3
Partnership	14 271	134 416	5 337 900	55 527 310	54 857 039	22 627 522	32 229 517	18 971 603	2	2
Other noncorporate and unknown	2 040	17 667	663 175	5 142 382	5 118 429	2 736 108	2 382 321	1 400 471	4	4
2361, Residential building construction										
Total	171 655	878 205	29 192 729	264 751 784	262 855 123	98 822 210	164 032 913	93 601 674	1	1
Legal form of organization:										
Corporate	112 012	666 439	23 356 060	208 431 296	206 886 258	79 620 007	127 266 251	73 515 766	1	1
Noncorporate	59 643	211 766	5 836 670	56 320 488	55 968 865	19 202 203	36 766 662	20 085 908	2	2
Individual proprietorship	46 050	125 998	2 536 964	17 455 560	17 394 444	5 805 673	11 588 771	6 366 871	3	3
Partnership	11 835	78 664	3 118 538	37 390 327	37 109 091	12 940 164	24 168 927	13 130 377	2	3
Other noncorporate and unknown	1 757	7 104	181 168	1 474 601	1 465 330	456 366	1 008 964	588 660	5	5
23611, Residential building construction										
Total	171 655	878 205	29 192 729	264 751 784	262 855 123	98 822 210	164 032 913	93 601 674	1	1
Legal form of organization:										
Corporate	112 012	666 439	23 356 060	208 431 296	206 886 258	79 620 007	127 266 251	73 515 766	1	1
Noncorporate	59 643	211 766	5 836 670	56 320 488	55 968 865	19 202 203	36 766 662	20 085 908	2	2
Individual proprietorship	46 050	125 998	2 536 964	17 455 560	17 394 444	5 805 673	11 588 771	6 366 871	3	3
Partnership	11 835	78 664	3 118 538	37 390 327	37 109 091	12 940 164	24 168 927	13 130 377	2	3
Other noncorporate and unknown	1 757	7 104	181 168	1 474 601	1 465 330	456 366	1 008 964	588 660	5	5
236115, New single-family housing construction (except operative builders)										
Total	58 488	273 202	8 268 129	62 265 451	61 875 636	23 246 412	38 629 224	19 708 450	2	2
Legal form of organization:										
Corporate	36 968	201 172	6 629 507	49 537 777	49 191 775	18 823 708	30 368 067	15 430 488	2	3
Noncorporate	21 520	72 030	1 638 622	12 727 675	12 683 861	4 422 704	8 261 157	4 277 962	3	3
Individual proprietorship	17 004	51 781	1 032 819	7 200 730	7 179 177	2 350 690	4 828 487	2 586 330	5	4
Partnership	3 839	17 898	5 553 309	5 101 377	5 082 462	1 914 983	3 167 479	1 541 096	5	5
Other noncorporate and unknown	677	2 351	52 494	425 567	422 222	157 030	265 192	150 537	13	15
236116, New multifamily housing construction (except operative builders)										
Total	4 370	43 726	1 717 075	17 024 052	16 724 310	9 219 509	7 504 801	4 162 673	3	3
Legal form of organization:										
Corporate	3 332	36 053	1 441 688	13 929 873	13 706 263	7 560 785	6 145 478	3 332 303	3	4
Noncorporate	1 038	7 673	275 386	3 094 178	3 018 047	1 658 724	1 359 323	830 370	5	7
Individual proprietorship	552	1 983	47 204	459 234	456 273	177 188	279 085	115 407	26	26
Partnership	447	5 474	219 770	2 568 764	2 496 125	1 445 607	1 050 518	708 662	4	6
Other noncorporate and unknown	40	216	*8 412	*66 181	*65 650	*35 929	*29 721	*6 300	*46	*51
236117, New housing operative builders										
Total	26 046	241 069	10 504 023	140 227 156	139 220 841	51 949 803	87 271 038	51 444 120	1	1
Legal form of organization:										
Corporate	19 856	189 183	8 228 847	109 374 622	108 569 922	41 640 538	66 929 384	40 378 121	1	1
Noncorporate	6 190	51 886	2 275 176	30 852 534	30 650 918	10 309 265	20 341 654	11 065 999	2	3
Individual proprietorship	3 338	12 807	332 631	3 267 689	3 249 048	1 462 912	1 786 136	1 000 370	8	9
Partnership	2 684	36 749	1 864 437	26 833 174	26 655 198	8 646 444	18 008 754	9 737 037	3	3
Other noncorporate and unknown	168	2 330	78 108	751 671	746 672	199 909	546 764	328 591	4	2
236118, Residential remodelers										
Total	82 750	320 208	8 703 503	45 235 125	45 034 336	14 406 486	30 627 850	18 286 431	2	2
Legal form of organization:										
Corporate	51 856	240 031	7 056 017	35 589 025	35 418 298	11 594 976	23 823 322	14 374 853	2	2
Noncorporate	30 894	80 177	1 647 486	9 646 101	9 616 039	2 811 511	6 804 528	3 911 578	3	3
Individual proprietorship	25 157	59 427	1 124 311	6 527 907	6 509 946	1 814 883	4 695 064	2 664 764	4	3
Partnership	4 866	18 543	481 022	2 887 012	2 875 307	933 131	1 942 176	1 143 582	7	7
Other noncorporate and unknown	872	2 207	42 153	231 182	230 786	63 498	167 288	103 232	15	15

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
236, Construction of buildings—Con.										
2362, Nonresidential building construction										
Total	40 190	791 186	33 219 145	260 925 079	258 994 632	140 609 219	118 385 413	78 605 404	1	1
Legal form of organization:										
Corporate	32 281	703 352	30 002 481	235 571 662	234 085 526	127 135 408	106 950 117	70 716 222	1	1
Noncorporate	7 909	87 834	3 216 665	25 353 416	24 909 106	13 473 811	11 435 295	7 889 182	2	2
Individual proprietorship	5 191	21 519	515 295	3 548 652	3 508 059	1 506 711	2 001 348	1 236 146	6	6
Partnership	2 436	55 752	2 219 362	18 136 982	17 747 948	9 687 358	8 060 590	5 841 226	2	3
Other noncorporate and unknown	283	10 563	482 007	3 667 782	3 653 099	2 279 742	1 373 357	811 811	5	6
23621, Industrial building construction										
Total	2 799	95 130	3 959 552	17 665 646	17 514 797	7 615 544	9 899 253	6 435 769	2	3
Legal form of organization:										
Corporate	2 298	88 062	3 695 404	16 441 152	16 302 696	7 089 033	9 213 663	6 028 319	2	3
Noncorporate	501	7 068	264 148	1 224 495	1 212 101	526 511	685 590	407 450	11	7
Individual proprietorship	328	1 478	41 013	251 251	247 842	D	D	114 334	19	S
Partnership	164	3 783	130 792	676 646	667 663	346 678	320 985	152 270	18	8
Other noncorporate and unknown	8	1 807	92 343	296 598	296 596	D	D	140 847	—	S
236210, Industrial building construction										
Total	2 799	95 130	3 959 552	17 665 646	17 514 797	7 615 544	9 899 253	6 435 769	2	3
Legal form of organization:										
Corporate	2 298	88 062	3 695 404	16 441 152	16 302 696	7 089 033	9 213 663	6 028 319	2	3
Noncorporate	501	7 068	264 148	1 224 495	1 212 101	526 511	685 590	407 450	11	7
Individual proprietorship	328	1 478	41 013	251 251	247 842	D	D	114 334	19	S
Partnership	164	3 783	130 792	676 646	667 663	346 678	320 985	152 270	18	8
Other noncorporate and unknown	8	1 807	92 343	296 598	296 596	D	D	140 847	—	S
23622, Commercial and institutional building construction										
Total	37 391	696 056	29 259 594	243 259 432	241 479 835	132 993 675	108 486 159	72 169 635	1	1
Legal form of organization:										
Corporate	29 982	615 290	26 307 077	219 130 510	217 782 830	120 046 375	97 736 455	64 687 903	1	1
Noncorporate	7 408	80 765	2 952 517	24 128 922	23 697 005	12 947 300	10 749 705	7 481 732	2	2
Individual proprietorship	4 862	20 041	474 283	3 297 402	3 260 217	D	D	1 121 812	6	S
Partnership	2 271	51 969	2 088 570	17 460 337	17 080 285	9 340 680	7 739 605	5 688 956	2	3
Other noncorporate and unknown	275	8 756	389 664	3 371 184	3 356 503	D	D	670 964	6	S
236220, Commercial and institutional building construction										
Total	37 391	696 056	29 259 594	243 259 432	241 479 835	132 993 675	108 486 159	72 169 635	1	1
Legal form of organization:										
Corporate	29 982	615 290	26 307 077	219 130 510	217 782 830	120 046 375	97 736 455	64 687 903	1	1
Noncorporate	7 408	80 765	2 952 517	24 128 922	23 697 005	12 947 300	10 749 705	7 481 732	2	2
Individual proprietorship	4 862	20 041	474 283	3 297 402	3 260 217	D	D	1 121 812	6	S
Partnership	2 271	51 969	2 088 570	17 460 337	17 080 285	9 340 680	7 739 605	5 688 956	2	3
Other noncorporate and unknown	275	8 756	389 664	3 371 184	3 356 503	D	D	670 964	6	S
237, Heavy and civil engineering construction										
Total	49 826	1 143 246	44 322 355	197 947 805	194 217 995	36 841 873	157 376 122	102 902 715	1	1
Legal form of organization:										
Corporate	37 818	1 017 704	39 957 992	175 666 425	172 236 556	32 508 171	139 728 385	90 685 178	1	1
Noncorporate	12 008	125 542	4 364 362	22 281 380	21 981 438	4 333 701	17 647 737	12 217 537	2	3
Individual proprietorship	7 101	28 488	692 440	3 393 569	3 364 256	437 029	2 927 227	1 907 535	8	7
Partnership	4 238	84 540	3 240 843	17 028 389	16 776 976	3 510 879	13 266 096	9 248 722	3	3
Other noncorporate and unknown	670	12 514	431 079	1 859 423	1 840 207	385 794	1 454 413	1 061 280	4	4
2371, Utility system construction										
Total	19 808	539 615	21 814 937	79 098 333	78 139 578	10 964 823	67 174 755	46 303 951	1	1
Legal form of organization:										
Corporate	15 081	488 734	20 011 649	72 724 019	71 797 736	10 068 900	61 728 836	42 509 119	1	1
Noncorporate	4 727	50 880	1 803 289	6 374 314	6 341 842	895 923	5 445 919	3 794 832	2	2
Individual proprietorship	3 301	11 694	271 235	1 250 640	1 243 720	120 902	1 122 818	735 902	8	8
Partnership	1 280	31 496	1 279 328	4 179 642	4 156 586	607 748	3 548 839	2 530 012	3	3
Other noncorporate and unknown	146	7 690	252 725	944 032	941 535	167 274	774 262	528 917	2	2

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
237, Heavy and civil engineering construction—Con.										
2371, Utility system construction—Con.										
23711, Water and sewer line and related structures construction										
Total	12 395	198 622	7 360 570	32 669 590	32 481 745	5 664 212	26 817 534	16 021 607	1	2
Legal form of organization:										
Corporate	9 101	177 275	6 770 144	29 490 588	29 315 123	5 142 643	24 172 480	14 444 692	2	2
Noncorporate	3 294	21 347	590 426	3 179 002	3 166 623	521 569	2 645 054	1 576 916	4	4
Individual proprietorship	2 475	8 094	189 840	950 718	946 895	89 326	857 569	522 582	9	9
Partnership	721	10 281	324 977	1 702 431	1 693 982	309 719	1 384 263	835 041	6	6
Other noncorporate and unknown	98	2 973	75 608	525 853	525 745	122 524	403 222	219 293	3	4
237110, Water and sewer line and related structures construction										
Total	12 395	198 622	7 360 570	32 669 590	32 481 745	5 664 212	26 817 534	16 021 607	1	2
Legal form of organization:										
Corporate	9 101	177 275	6 770 144	29 490 588	29 315 123	5 142 643	24 172 480	14 444 692	2	2
Noncorporate	3 294	21 347	590 426	3 179 002	3 166 623	521 569	2 645 054	1 576 916	4	4
Individual proprietorship	2 475	8 094	189 840	950 718	946 895	89 326	857 569	522 582	9	9
Partnership	721	10 281	324 977	1 702 431	1 693 982	309 719	1 384 263	835 041	6	6
Other noncorporate and unknown	98	2 973	75 608	525 853	525 745	122 524	403 222	219 293	3	4
23712, Oil and gas pipeline and related structures construction										
Total	1 418	94 323	4 032 608	11 714 846	11 579 708	1 247 179	10 332 528	7 750 722	1	1
Legal form of organization:										
Corporate	1 155	79 055	3 455 254	10 273 823	10 150 691	1 120 316	9 030 376	6 736 478	1	1
Noncorporate	263	15 269	577 354	1 441 023	1 429 016	126 864	1 302 153	1 014 244	1	1
Individual proprietorship	116	806	14 434	52 085	51 429	4 113	47 316	40 507	22	22
Partnership	141	10 736	413 583	1 108 517	1 097 289	103 545	993 744	732 022	1	1
Other noncorporate and unknown	5	3 727	149 337	280 421	280 299	19 206	261 093	241 715	—	—
237120, Oil and gas pipeline and related structures construction										
Total	1 418	94 323	4 032 608	11 714 846	11 579 708	1 247 179	10 332 528	7 750 722	1	1
Legal form of organization:										
Corporate	1 155	79 055	3 455 254	10 273 823	10 150 691	1 120 316	9 030 376	6 736 478	1	1
Noncorporate	263	15 269	577 354	1 441 023	1 429 016	126 864	1 302 153	1 014 244	1	1
Individual proprietorship	116	806	14 434	52 085	51 429	4 113	47 316	40 507	22	22
Partnership	141	10 736	413 583	1 108 517	1 097 289	103 545	993 744	732 022	1	1
Other noncorporate and unknown	5	3 727	149 337	280 421	280 299	19 206	261 093	241 715	—	—
23713, Power and communication line and related structures construction										
Total	5 995	246 669	10 421 760	34 713 897	34 078 125	4 053 432	30 024 693	22 531 622	1	1
Legal form of organization:										
Corporate	4 825	232 405	9 786 251	32 959 608	32 331 922	3 805 942	28 525 981	21 327 949	1	1
Noncorporate	1 170	14 264	635 509	1 754 289	1 746 203	247 490	1 498 712	1 203 672	4	4
Individual proprietorship	709	2 795	66 961	247 837	245 396	27 463	217 933	172 814	19	19
Partnership	417	10 479	540 768	1 368 695	1 365 316	194 483	1 170 832	962 950	4	4
Other noncorporate and unknown	43	990	27 780	137 758	135 491	25 544	109 947	67 909	8	9
237130, Power and communication line and related structures construction										
Total	5 995	246 669	10 421 760	34 713 897	34 078 125	4 053 432	30 024 693	22 531 622	1	1
Legal form of organization:										
Corporate	4 825	232 405	9 786 251	32 959 608	32 331 922	3 805 942	28 525 981	21 327 949	1	1
Noncorporate	1 170	14 264	635 509	1 754 289	1 746 203	247 490	1 498 712	1 203 672	4	4
Individual proprietorship	709	2 795	66 961	247 837	245 396	27 463	217 933	172 814	19	19
Partnership	417	10 479	540 768	1 368 695	1 365 316	194 483	1 170 832	962 950	4	4
Other noncorporate and unknown	43	990	27 780	137 758	135 491	25 544	109 947	67 909	8	9

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
237, Heavy and civil engineering construction—Con.										
2372, Land subdivision										
Total	8 444	52 607	2 004 436	14 423 725	13 926 888	3 090 760	10 836 128	9 145 936	4	4
Legal form of organization:										
Corporate	6 217	35 149	1 403 288	9 599 435	9 204 016	2 099 552	7 104 464	6 076 967	4	4
Noncorporate	2 226	17 459	601 147	4 824 291	4 722 873	991 208	3 731 664	3 068 969	8	8
Individual proprietorship	503	1 598	49 856	209 649	206 438	45 494	160 944	128 114	15	15
Partnership	1 554	13 900	475 913	4 187 340	4 096 989	887 791	3 209 198	2 637 341	8	9
Other noncorporate and unknown	169	1 961	75 378	427 302	419 445	57 923	361 522	303 515	15	14
23721, Land subdivision										
Total	8 444	52 607	2 004 436	14 423 725	13 926 888	3 090 760	10 836 128	9 145 936	4	4
Legal form of organization:										
Corporate	6 217	35 149	1 403 288	9 599 435	9 204 016	2 099 552	7 104 464	6 076 967	4	4
Noncorporate	2 226	17 459	601 147	4 824 291	4 722 873	991 208	3 731 664	3 068 969	8	8
Individual proprietorship	503	1 598	49 856	209 649	206 438	45 494	160 944	128 114	15	15
Partnership	1 554	13 900	475 913	4 187 340	4 096 989	887 791	3 209 198	2 637 341	8	9
Other noncorporate and unknown	169	1 961	75 378	427 302	419 445	57 923	361 522	303 515	15	14
237210, Land subdivision										
Total	8 444	52 607	2 004 436	14 423 725	13 926 888	3 090 760	10 836 128	9 145 936	4	4
Legal form of organization:										
Corporate	6 217	35 149	1 403 288	9 599 435	9 204 016	2 099 552	7 104 464	6 076 967	4	4
Noncorporate	2 226	17 459	601 147	4 824 291	4 722 873	991 208	3 731 664	3 068 969	8	8
Individual proprietorship	503	1 598	49 856	209 649	206 438	45 494	160 944	128 114	15	15
Partnership	1 554	13 900	475 913	4 187 340	4 096 989	887 791	3 209 198	2 637 341	8	9
Other noncorporate and unknown	169	1 961	75 378	427 302	419 445	57 923	361 522	303 515	15	14
2373, Highway, street, and bridge construction										
Total	11 348	410 822	15 654 087	83 355 188	81 412 178	19 317 384	62 094 794	35 976 250	1	1
Legal form of organization:										
Corporate	9 270	375 952	14 393 844	76 181 243	74 372 197	17 715 926	56 656 272	32 699 509	1	1
Noncorporate	2 078	34 870	1 260 243	7 173 945	7 039 981	1 601 459	5 438 522	3 276 742	4	4
Individual proprietorship	1 245	7 403	193 372	992 506	984 432	159 009	825 422	484 965	14	13
Partnership	675	25 711	1 004 885	5 872 011	5 753 971	1 330 725	4 423 247	2 652 577	4	4
Other noncorporate and unknown	158	1 755	61 986	309 429	301 578	111 725	189 853	139 199	11	9
23731, Highway, street, and bridge construction										
Total	11 348	410 822	15 654 087	83 355 188	81 412 178	19 317 384	62 094 794	35 976 250	1	1
Legal form of organization:										
Corporate	9 270	375 952	14 393 844	76 181 243	74 372 197	17 715 926	56 656 272	32 699 509	1	1
Noncorporate	2 078	34 870	1 260 243	7 173 945	7 039 981	1 601 459	5 438 522	3 276 742	4	4
Individual proprietorship	1 245	7 403	193 372	992 506	984 432	159 009	825 422	484 965	14	13
Partnership	675	25 711	1 004 885	5 872 011	5 753 971	1 330 725	4 423 247	2 652 577	4	4
Other noncorporate and unknown	158	1 755	61 986	309 429	301 578	111 725	189 853	139 199	11	9
237310, Highway, street, and bridge construction										
Total	11 348	410 822	15 654 087	83 355 188	81 412 178	19 317 384	62 094 794	35 976 250	1	1
Legal form of organization:										
Corporate	9 270	375 952	14 393 844	76 181 243	74 372 197	17 715 926	56 656 272	32 699 509	1	1
Noncorporate	2 078	34 870	1 260 243	7 173 945	7 039 981	1 601 459	5 438 522	3 276 742	4	4
Individual proprietorship	1 245	7 403	193 372	992 506	984 432	159 009	825 422	484 965	14	13
Partnership	675	25 711	1 004 885	5 872 011	5 753 971	1 330 725	4 423 247	2 652 577	4	4
Other noncorporate and unknown	158	1 755	61 986	309 429	301 578	111 725	189 853	139 199	11	9
2379, Other heavy and civil engineering construction										
Total	10 227	140 202	4 848 895	21 070 559	20 739 350	3 468 905	17 270 445	11 476 577	3	3
Legal form of organization:										
Corporate	7 249	117 868	4 149 212	17 161 728	16 862 607	2 623 794	14 238 813	9 399 583	3	3
Noncorporate	2 978	22 334	699 683	3 908 831	3 876 743	845 112	3 031 631	2 076 994	6	7
Individual proprietorship	2 052	7 793	177 976	940 775	929 666	111 623	818 042	558 553	21	20
Partnership	729	13 434	480 717	2 789 395	2 769 429	684 616	2 084 813	1 428 792	5	7
Other noncorporate and unknown	197	1 107	40 990	178 661	177 648	48 872	128 776	89 649	4	4

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
237, Heavy and civil engineering construction—Con.										
2379, Other heavy and civil engineering construction—Con.										
23799, Other heavy and civil engineering construction										
Total	10 227	140 202	4 848 895	21 070 559	20 739 350	3 468 905	17 270 445	11 476 577	3	3
Legal form of organization:										
Corporate	7 249	117 868	4 149 212	17 161 728	16 862 607	2 623 794	14 238 813	9 399 583	3	3
Noncorporate	2 978	22 334	699 683	3 908 831	3 876 743	845 112	3 031 631	2 076 994	6	7
Individual proprietorship	2 052	7 793	177 976	940 775	929 666	111 623	818 042	558 553	21	20
Partnership	729	13 434	480 717	2 789 395	2 769 429	684 616	2 084 813	1 428 792	5	7
Other noncorporate and unknown	197	1 107	40 990	178 661	177 648	48 872	128 776	89 649	4	4
237990, Other heavy and civil engineering construction										
Total	10 227	140 202	4 848 895	21 070 559	20 739 350	3 468 905	17 270 445	11 476 577	3	3
Legal form of organization:										
Corporate	7 249	117 868	4 149 212	17 161 728	16 862 607	2 623 794	14 238 813	9 399 583	3	3
Noncorporate	2 978	22 334	699 683	3 908 831	3 876 743	845 112	3 031 631	2 076 994	6	7
Individual proprietorship	2 052	7 793	177 976	940 775	929 666	111 623	818 042	558 553	21	20
Partnership	729	13 434	480 717	2 789 395	2 769 429	684 616	2 084 813	1 428 792	5	7
Other noncorporate and unknown	197	1 107	40 990	178 661	177 648	48 872	128 776	89 649	4	4
238, Specialty trade contractors										
Total	448 636	4 380 432	147 557 914	485 106 715	480 487 838	45 429 243	435 058 595	285 775 284	—	—
Legal form of organization:										
Corporate	294 211	3 744 608	132 463 744	425 524 507	421 551 828	40 277 987	381 273 840	250 842 553	—	—
Noncorporate	154 425	635 824	15 094 171	59 582 208	58 936 010	5 151 256	53 784 755	34 932 732	1	1
Individual proprietorship	126 539	406 744	8 368 052	34 740 989	34 462 709	2 671 957	31 790 752	20 358 898	2	2
Partnership	23 254	200 369	5 930 406	21 706 798	21 371 351	2 116 851	19 254 499	12 832 239	2	2
Other noncorporate and unknown	4 632	28 711	795 713	3 134 440	3 101 950	362 447	2 739 503	1 741 595	7	7
2381, Foundation, structure, and building exterior contractors										
Total	109 709	1 133 888	33 837 807	115 105 705	114 440 849	9 729 856	104 710 993	66 425 427	1	1
Legal form of organization:										
Corporate	66 867	939 103	29 604 270	98 428 330	97 929 423	8 408 069	89 521 354	56 737 244	1	1
Noncorporate	42 841	194 784	4 233 537	16 677 375	16 511 426	1 321 786	15 189 640	9 688 183	3	3
Individual proprietorship	35 321	131 626	2 535 465	10 266 376	10 223 530	787 763	9 435 767	5 890 398	3	3
Partnership	6 181	56 054	1 520 598	5 738 077	5 619 700	453 822	5 165 878	3 464 764	4	4
Other noncorporate and unknown	1 340	7 104	177 474	672 921	668 196	80 201	587 995	333 022	26	27
23811, Poured concrete foundation and structure contractors										
Total	27 149	301 737	9 181 232	33 886 620	33 771 732	3 259 737	30 511 995	18 118 819	2	2
Legal form of organization:										
Corporate	15 989	241 135	7 726 159	27 762 055	27 678 705	2 776 044	24 902 661	14 679 061	2	2
Noncorporate	11 161	60 602	1 455 073	6 124 565	6 093 027	483 693	5 609 334	3 439 759	6	6
Individual proprietorship	8 834	36 898	770 065	3 453 683	3 441 026	286 764	3 154 262	1 812 467	7	6
Partnership	1 874	19 896	575 264	2 301 965	2 287 525	166 048	2 121 477	1 426 321	8	8
Other noncorporate and unknown	453	3 808	*109 744	*368 917	*364 476	*30 881	*333 595	*200 971	*47	*47
238110, Poured concrete foundation and structure contractors										
Total	27 149	301 737	9 181 232	33 886 620	33 771 732	3 259 737	30 511 995	18 118 819	2	2
Legal form of organization:										
Corporate	15 989	241 135	7 726 159	27 762 055	27 678 705	2 776 044	24 902 661	14 679 061	2	2
Noncorporate	11 161	60 602	1 455 073	6 124 565	6 093 027	483 693	5 609 334	3 439 759	6	6
Individual proprietorship	8 834	36 898	770 065	3 453 683	3 441 026	286 764	3 154 262	1 812 467	7	6
Partnership	1 874	19 896	575 264	2 301 965	2 287 525	166 048	2 121 477	1 426 321	8	8
Other noncorporate and unknown	453	3 808	*109 744	*368 917	*364 476	*30 881	*333 595	*200 971	*47	*47
23812, Structural steel and precast concrete contractors										
Total	4 329	76 861	2 905 566	8 770 651	8 723 843	738 252	7 985 591	5 822 444	3	3
Legal form of organization:										
Corporate	3 319	70 949	2 746 150	8 206 661	8 161 192	689 234	7 471 958	5 458 823	3	3
Noncorporate	1 010	5 912	159 416	563 990	562 651	49 018	513 633	363 621	10	10
Individual proprietorship	757	2 930	65 496	257 214	256 891	30 000	226 891	154 950	19	18
Partnership	206	2 834	91 763	288 501	287 485	15 805	271 681	199 817	11	11
Other noncorporate and unknown	47	*148	*2 157	*18 275	*18 275	*3 213	*15 062	*8 854	*61	*67

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
238, Specialty trade contractors—Con.										
2381, Foundation, structure, and building exterior contractors—Con.										
23812, Structural steel and precast concrete contractors—Con.										
238120, Structural steel and precast concrete contractors										
Total	4 329	76 861	2 905 566	8 770 651	8 723 843	738 252	7 985 591	5 822 444	3	3
Legal form of organization:										
Corporate	3 319	70 949	2 746 150	8 206 661	8 161 192	689 234	7 471 958	5 458 823	3	3
Noncorporate	1 010	5 912	159 416	563 990	562 651	49 018	513 633	363 621	10	10
Individual proprietorship	757	2 930	65 496	257 214	256 891	30 000	226 891	154 950	19	18
Partnership	206	2 834	91 763	288 501	287 485	15 805	271 681	199 817	11	11
Other noncorporate and unknown	47	*148	*2 157	*18 275	*18 275	*3 213	*15 062	*8 854	*61	*67
23813, Framing contractors										
Total	14 438	153 636	4 415 319	14 580 872	14 428 519	1 778 567	12 649 952	8 588 075	7	8
Legal form of organization:										
Corporate	8 326	121 498	3 696 439	12 043 317	11 985 988	1 433 992	10 551 996	7 139 694	8	9
Noncorporate	6 111	32 139	718 880	2 537 555	2 442 530	344 574	2 097 956	1 448 381	5	5
Individual proprietorship	5 170	21 928	452 560	1 493 455	1 485 751	186 055	1 299 696	908 223	7	7
Partnership	811	9 307	250 489	928 089	840 775	122 921	717 854	516 166	7	6
Other noncorporate and unknown	130	903	15 831	116 012	116 005	35 598	80 406	23 992	9	11
238130, Framing contractors										
Total	14 438	153 636	4 415 319	14 580 872	14 428 519	1 778 567	12 649 952	8 588 075	7	8
Legal form of organization:										
Corporate	8 326	121 498	3 696 439	12 043 317	11 985 988	1 433 992	10 551 996	7 139 694	8	9
Noncorporate	6 111	32 139	718 880	2 537 555	2 442 530	344 574	2 097 956	1 448 381	5	5
Individual proprietorship	5 170	21 928	452 560	1 493 455	1 485 751	186 055	1 299 696	908 223	7	7
Partnership	811	9 307	250 489	928 089	840 775	122 921	717 854	516 166	7	6
Other noncorporate and unknown	130	903	15 831	116 012	116 005	35 598	80 406	23 992	9	11
23814, Masonry contractors										
Total	25 763	256 634	7 165 853	20 320 781	20 270 485	1 060 256	19 210 228	13 172 591	2	2
Legal form of organization:										
Corporate	14 496	208 870	6 228 795	17 233 683	17 186 500	933 613	16 252 887	11 130 513	2	2
Noncorporate	11 267	47 763	937 057	3 087 099	3 083 985	126 644	2 957 341	2 042 078	5	5
Individual proprietorship	9 492	35 537	634 480	2 170 529	2 169 804	86 635	2 083 169	1 428 514	6	6
Partnership	1 493	11 008	275 384	842 456	840 080	35 353	804 727	568 584	9	9
Other noncorporate and unknown	281	1 219	27 193	74 113	74 100	*4 655	69 445	44 980	23	23
238140, Masonry contractors										
Total	25 763	256 634	7 165 853	20 320 781	20 270 485	1 060 256	19 210 228	13 172 591	2	2
Legal form of organization:										
Corporate	14 496	208 870	6 228 795	17 233 683	17 186 500	933 613	16 252 887	11 130 513	2	2
Noncorporate	11 267	47 763	937 057	3 087 099	3 083 985	126 644	2 957 341	2 042 078	5	5
Individual proprietorship	9 492	35 537	634 480	2 170 529	2 169 804	86 635	2 083 169	1 428 514	6	6
Partnership	1 493	11 008	275 384	842 456	840 080	35 353	804 727	568 584	9	9
Other noncorporate and unknown	281	1 219	27 193	74 113	74 100	*4 655	69 445	44 980	23	23
23815, Glass and glazing contractors										
Total	5 294	49 840	1 758 140	6 398 245	6 269 870	267 187	6 002 683	3 501 874	3	3
Legal form of organization:										
Corporate	3 977	44 893	1 632 521	5 850 530	5 744 323	251 780	5 492 543	3 184 359	3	3
Noncorporate	1 317	4 947	125 619	547 714	525 547	15 407	510 140	317 515	10	10
Individual proprietorship	984	2 918	65 144	294 670	278 752	6 412	272 340	173 065	16	16
Partnership	249	1 833	57 278	229 825	223 835	8 287	215 548	135 064	10	10
Other noncorporate and unknown	84	*196	*3 197	23 220	22 960	708	22 252	9 386	29	29
238150, Glass and glazing contractors										
Total	5 294	49 840	1 758 140	6 398 245	6 269 870	267 187	6 002 683	3 501 874	3	3
Legal form of organization:										
Corporate	3 977	44 893	1 632 521	5 850 530	5 744 323	251 780	5 492 543	3 184 359	3	3
Noncorporate	1 317	4 947	125 619	547 714	525 547	15 407	510 140	317 515	10	10
Individual proprietorship	984	2 918	65 144	294 670	278 752	6 412	272 340	173 065	16	16
Partnership	249	1 833	57 278	229 825	223 835	8 287	215 548	135 064	10	10
Other noncorporate and unknown	84	*196	*3 197	23 220	22 960	708	22 252	9 386	29	29

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
238, Specialty trade contractors—Con.										
2381, Foundation, structure, and building exterior contractors—Con.										
23816, Roofing contractors										
Total	23 222	219 329	6 026 356	23 104 101	23 012 307	1 892 667	21 119 640	12 812 235	2	2
Legal form of organization:										
Corporate	14 455	186 865	5 412 954	20 249 421	20 167 148	1 683 856	18 483 292	11 247 810	2	2
Noncorporate	8 767	32 464	613 402	2 854 680	2 845 159	208 811	2 636 348	1 564 425	6	6
Individual proprietorship	7 293	23 684	407 357	1 928 555	1 924 595	128 150	1 796 444	1 060 494	7	8
Partnership	1 179	8 122	190 115	865 510	859 953	76 157	783 797	467 997	9	9
Other noncorporate and unknown	295	658	15 930	60 616	60 611	4 503	56 108	35 934	24	25
238160, Roofing contractors										
Total	23 222	219 329	6 026 356	23 104 101	23 012 307	1 892 667	21 119 640	12 812 235	2	2
Legal form of organization:										
Corporate	14 455	186 865	5 412 954	20 249 421	20 167 148	1 683 856	18 483 292	11 247 810	2	2
Noncorporate	8 767	32 464	613 402	2 854 680	2 845 159	208 811	2 636 348	1 564 425	6	6
Individual proprietorship	7 293	23 684	407 357	1 928 555	1 924 595	128 150	1 796 444	1 060 494	7	8
Partnership	1 179	8 122	190 115	865 510	859 953	76 157	783 797	467 997	9	9
Other noncorporate and unknown	295	658	15 930	60 616	60 611	4 503	56 108	35 934	24	25
23817, Siding contractors										
Total	6 675	43 000	1 191 892	4 334 238	4 288 346	446 065	3 842 280	2 272 931	3	3
Legal form of organization:										
Corporate	4 315	35 423	1 049 953	3 657 281	3 613 210	374 643	3 238 567	1 928 159	3	3
Noncorporate	2 360	7 577	141 939	676 957	675 136	71 422	603 714	344 772	9	9
Individual proprietorship	2 081	5 929	106 845	523 680	522 468	54 538	467 930	263 272	11	11
Partnership	260	1 624	34 980	149 904	149 296	^s 16 370	132 926	79 633	17	16
Other noncorporate and unknown	19	^s 24	^s 114	^s 3 372	^s 3 372	^s 514	^s 2 858	^s 1 867	^s 97	^s 97
238170, Siding contractors										
Total	6 675	43 000	1 191 892	4 334 238	4 288 346	446 065	3 842 280	2 272 931	3	3
Legal form of organization:										
Corporate	4 315	35 423	1 049 953	3 657 281	3 613 210	374 643	3 238 567	1 928 159	3	3
Noncorporate	2 360	7 577	141 939	676 957	675 136	71 422	603 714	344 772	9	9
Individual proprietorship	2 081	5 929	106 845	523 680	522 468	54 538	467 930	263 272	11	11
Partnership	260	1 624	34 980	149 904	149 296	^s 16 370	132 926	79 633	17	16
Other noncorporate and unknown	19	^s 24	^s 114	^s 3 372	^s 3 372	^s 514	^s 2 858	^s 1 867	^s 97	^s 97
23819, Other foundation, structure, and building exterior contractors										
Total	2 839	32 850	1 193 449	3 710 197	3 675 748	287 125	3 388 623	2 136 458	4	4
Legal form of organization:										
Corporate	1 990	29 471	1 111 297	3 425 382	3 392 357	264 907	3 127 450	1 968 826	4	4
Noncorporate	848	3 380	82 152	284 815	283 391	22 218	261 173	167 632	9	9
Individual proprietorship	711	1 801	33 519	144 590	144 244	9 209	135 035	89 412	14	15
Partnership	108	1 431	45 326	131 828	130 750	12 881	117 869	71 182	12	12
Other noncorporate and unknown	30	^s 148	3 308	8 397	8 397	^s 127	8 270	7 038	29	28
238190, Other foundation, structure, and building exterior contractors										
Total	2 839	32 850	1 193 449	3 710 197	3 675 748	287 125	3 388 623	2 136 458	4	4
Legal form of organization:										
Corporate	1 990	29 471	1 111 297	3 425 382	3 392 357	264 907	3 127 450	1 968 826	4	4
Noncorporate	848	3 380	82 152	284 815	283 391	22 218	261 173	167 632	9	9
Individual proprietorship	711	1 801	33 519	144 590	144 244	9 209	135 035	89 412	14	15
Partnership	108	1 431	45 326	131 828	130 750	12 881	117 869	71 182	12	12
Other noncorporate and unknown	30	^s 148	3 308	8 397	8 397	^s 127	8 270	7 038	29	28
2382, Building equipment contractors										
Total	156 888	1 836 651	70 521 723	217 478 341	215 586 157	17 829 626	197 756 531	129 625 207	—	—
Legal form of organization:										
Corporate	114 333	1 642 987	65 112 632	197 289 164	195 563 998	16 460 781	179 103 217	117 753 398	—	—
Noncorporate	42 555	193 664	5 409 092	20 189 177	20 022 159	1 368 845	18 653 314	11 871 809	2	2
Individual proprietorship	34 481	107 792	2 553 401	10 456 191	10 357 474	528 283	9 829 192	6 118 506	2	2
Partnership	6 641	73 455	2 475 188	8 144 654	8 080 327	668 832	7 411 496	4 833 178	2	2
Other noncorporate and unknown	1 433	12 417	380 503	1 588 332	1 584 358	171 731	1 412 627	920 125	5	4

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
238, Specialty trade contractors—Con.										
2382, Building equipment contractors—Con.										
23821, Electrical Contractors										
Total	62 862	763 949	29 572 975	83 377 541	82 663 284	4 522 826	78 140 458	52 085 071	1	1
Legal form of organization:										
Corporate	45 706	681 791	27 256 768	75 216 316	74 584 320	4 127 605	70 456 715	46 969 534	1	1
Noncorporate	17 155	82 158	2 316 206	8 161 224	8 078 965	395 221	7 683 743	5 115 538	3	3
Individual proprietorship	14 066	44 909	1 117 864	4 109 087	4 066 728	164 194	3 902 535	2 558 710	4	4
Partnership	2 579	32 073	1 066 305	3 362 148	3 325 055	193 858	3 131 197	2 101 824	4	4
Other noncorporate and unknown	511	5 176	132 038	689 989	687 181	37 169	650 012	455 004	6	6
238210, Electrical Contractors										
Total	62 862	763 949	29 572 975	83 377 541	82 663 284	4 522 826	78 140 458	52 085 071	1	1
Legal form of organization:										
Corporate	45 706	681 791	27 256 768	75 216 316	74 584 320	4 127 605	70 456 715	46 969 534	1	1
Noncorporate	17 155	82 158	2 316 206	8 161 224	8 078 965	395 221	7 683 743	5 115 538	3	3
Individual proprietorship	14 066	44 909	1 117 864	4 109 087	4 066 728	164 194	3 902 535	2 558 710	4	4
Partnership	2 579	32 073	1 066 305	3 362 148	3 325 055	193 858	3 131 197	2 101 824	4	4
Other noncorporate and unknown	511	5 176	132 038	689 989	687 181	37 169	650 012	455 004	6	6
23822, Plumbing, heating, and air-conditioning contractors										
Total	87 936	954 095	36 018 541	119 389 455	118 447 213	12 485 138	105 962 075	67 463 833	—	—
Legal form of organization:										
Corporate	63 354	848 182	33 114 253	107 975 211	107 105 661	11 580 816	95 524 845	61 080 674	—	—
Noncorporate	24 583	105 913	2 904 288	11 414 244	11 341 552	904 322	10 437 230	6 383 159	2	2
Individual proprietorship	19 858	59 969	1 344 646	6 065 578	6 020 446	352 781	5 667 665	3 374 332	3	3
Partnership	3 836	39 458	1 335 574	4 570 012	4 543 614	458 968	4 084 645	2 581 936	3	3
Other noncorporate and unknown	889	6 486	224 067	778 653	777 492	92 572	684 920	426 891	5	6
238220, Plumbing, heating, and air-conditioning contractors										
Total	87 936	954 095	36 018 541	119 389 455	118 447 213	12 485 138	105 962 075	67 463 833	—	—
Legal form of organization:										
Corporate	63 354	848 182	33 114 253	107 975 211	107 105 661	11 580 816	95 524 845	61 080 674	—	—
Noncorporate	24 583	105 913	2 904 288	11 414 244	11 341 552	904 322	10 437 230	6 383 159	2	2
Individual proprietorship	19 858	59 969	1 344 646	6 065 578	6 020 446	352 781	5 667 665	3 374 332	3	3
Partnership	3 836	39 458	1 335 574	4 570 012	4 543 614	458 968	4 084 645	2 581 936	3	3
Other noncorporate and unknown	889	6 486	224 067	778 653	777 492	92 572	684 920	426 891	5	6
23829, Other building equipment contractors										
Total	6 090	118 606	4 930 208	14 711 346	14 475 660	821 662	13 653 998	10 076 303	1	1
Legal form of organization:										
Corporate	5 273	113 013	4 741 610	14 097 636	13 874 017	752 360	13 121 657	9 703 191	1	1
Noncorporate	817	5 593	188 597	613 709	601 643	[§] 69 302	532 341	373 112	11	9
Individual proprietorship	557	2 914	90 891	281 526	270 300	11 308	258 992	185 463	14	15
Partnership	226	1 924	73 309	212 493	211 659	16 005	195 654	149 419	9	9
Other noncorporate and unknown	33	754	24 398	[§] 119 690	[§] 119 685	[§] 41 989	77 695	38 230	[§] 41	22
238290, Other building equipment contractors										
Total	6 090	118 606	4 930 208	14 711 346	14 475 660	821 662	13 653 998	10 076 303	1	1
Legal form of organization:										
Corporate	5 273	113 013	4 741 610	14 097 636	13 874 017	752 360	13 121 657	9 703 191	1	1
Noncorporate	817	5 593	188 597	613 709	601 643	[§] 69 302	532 341	373 112	11	9
Individual proprietorship	557	2 914	90 891	281 526	270 300	11 308	258 992	185 463	14	15
Partnership	226	1 924	73 309	212 493	211 659	16 005	195 654	149 419	9	9
Other noncorporate and unknown	33	754	24 398	[§] 119 690	[§] 119 685	[§] 41 989	77 695	38 230	[§] 41	22
2383, Building finishing contractors										
Total	119 352	886 267	26 454 300	86 652 636	85 945 755	9 446 950	76 498 805	51 280 535	1	1
Legal form of organization:										
Corporate	70 394	719 649	22 856 383	72 676 649	72 053 530	7 962 201	64 091 330	43 016 590	1	1
Noncorporate	48 958	166 617	3 597 916	13 975 986	13 892 224	1 484 749	12 407 476	8 263 945	2	2
Individual proprietorship	41 081	118 724	2 346 984	9 314 194	9 259 496	894 191	8 365 304	5 622 101	3	3
Partnership	6 597	42 834	1 123 508	4 252 311	4 226 965	542 389	3 684 576	2 405 427	4	4
Other noncorporate and unknown	1 280	5 059	127 424	409 481	405 764	48 168	357 595	236 418	13	13

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
238, Specialty trade contractors—Con.										
2383, Building finishing contractors—Con.										
23831, Drywall and insulation contractors										
Total	19 644	295 730	9 772 208	30 906 825	30 824 777	3 763 820	27 060 957	18 068 021	2	1
Legal form of organization:										
Corporate	12 894	261 466	8 952 784	27 821 950	27 744 093	3 379 217	24 364 876	16 290 593	2	2
Noncorporate	6 750	34 264	819 424	3 084 875	3 080 684	384 604	2 696 081	1 777 428	5	5
Individual proprietorship	5 417	21 243	458 570	1 824 461	1 822 058	217 559	1 604 500	1 042 910	8	7
Partnership	1 128	11 448	319 788	1 135 660	1 133 978	155 381	978 597	655 683	8	7
Other noncorporate and unknown	205	1 574	41 066	124 754	124 648	11 663	112 984	78 835	20	20
238310, Drywall and insulation contractors										
Total	19 644	295 730	9 772 208	30 906 825	30 824 777	3 763 820	27 060 957	18 068 021	2	1
Legal form of organization:										
Corporate	12 894	261 466	8 952 784	27 821 950	27 744 093	3 379 217	24 364 876	16 290 593	2	2
Noncorporate	6 750	34 264	819 424	3 084 875	3 080 684	384 604	2 696 081	1 777 428	5	5
Individual proprietorship	5 417	21 243	458 570	1 824 461	1 822 058	217 559	1 604 500	1 042 910	8	7
Partnership	1 128	11 448	319 788	1 135 660	1 133 978	155 381	978 597	655 683	8	7
Other noncorporate and unknown	205	1 574	41 066	124 754	124 648	11 663	112 984	78 835	20	20
23832, Painting and wall covering contractors										
Total	39 025	232 489	6 014 334	16 958 293	16 868 810	1 539 116	15 329 694	11 523 765	2	2
Legal form of organization:										
Corporate	21 208	171 662	4 829 891	13 166 214	13 089 275	1 270 226	11 819 049	8 938 684	2	2
Noncorporate	17 817	60 827	1 184 443	3 792 079	3 779 535	268 890	3 510 645	2 585 081	4	4
Individual proprietorship	15 112	46 893	852 180	2 848 187	2 837 247	198 938	2 638 309	1 944 780	5	5
Partnership	2 246	12 594	305 703	870 785	869 461	66 281	803 180	590 772	7	6
Other noncorporate and unknown	459	1 340	26 559	73 107	72 827	3 671	69 157	49 529	26	26
238320, Painting and wall covering contractors										
Total	39 025	232 489	6 014 334	16 958 293	16 868 810	1 539 116	15 329 694	11 523 765	2	2
Legal form of organization:										
Corporate	21 208	171 662	4 829 891	13 166 214	13 089 275	1 270 226	11 819 049	8 938 684	2	2
Noncorporate	17 817	60 827	1 184 443	3 792 079	3 779 535	268 890	3 510 645	2 585 081	4	4
Individual proprietorship	15 112	46 893	852 180	2 848 187	2 837 247	198 938	2 638 309	1 944 780	5	5
Partnership	2 246	12 594	305 703	870 785	869 461	66 281	803 180	590 772	7	6
Other noncorporate and unknown	459	1 340	26 559	73 107	72 827	3 671	69 157	49 529	26	26
23833, Flooring contractors										
Total	12 886	76 601	2 397 262	9 518 745	9 387 919	1 108 493	8 279 426	4 788 567	2	2
Legal form of organization:										
Corporate	7 297	61 476	2 075 327	7 997 861	7 891 359	961 514	6 929 845	3 949 449	2	2
Noncorporate	5 589	15 125	321 935	1 520 885	1 496 560	146 979	1 349 581	839 118	7	7
Individual proprietorship	4 903	11 516	214 929	1 014 221	996 228	86 323	909 905	591 313	8	8
Partnership	534	2 953	85 742	414 572	410 766	39 598	371 168	216 381	12	12
Other noncorporate and unknown	152	656	21 265	92 092	89 566	*21 058	68 507	31 424	30	30
238330, Flooring contractors										
Total	12 886	76 601	2 397 262	9 518 745	9 387 919	1 108 493	8 279 426	4 788 567	2	2
Legal form of organization:										
Corporate	7 297	61 476	2 075 327	7 997 861	7 891 359	961 514	6 929 845	3 949 449	2	2
Noncorporate	5 589	15 125	321 935	1 520 885	1 496 560	146 979	1 349 581	839 118	7	7
Individual proprietorship	4 903	11 516	214 929	1 014 221	996 228	86 323	909 905	591 313	8	8
Partnership	534	2 953	85 742	414 572	410 766	39 598	371 168	216 381	12	12
Other noncorporate and unknown	152	656	21 265	92 092	89 566	*21 058	68 507	31 424	30	30
23834, Tile and terrazzo contractors										
Total	8 927	58 774	1 834 142	5 908 510	5 852 769	218 640	5 634 129	3 747 534	4	4
Legal form of organization:										
Corporate	5 181	46 828	1 531 164	4 810 051	4 758 696	180 224	4 578 473	3 015 261	4	4
Noncorporate	3 746	11 945	302 978	1 098 460	1 094 073	38 417	1 055 656	732 273	10	10
Individual proprietorship	3 099	9 163	229 374	832 929	832 221	26 410	805 811	567 847	13	13
Partnership	567	2 525	68 191	250 385	246 706	11 157	235 550	154 116	15	15
Other noncorporate and unknown	80	*257	5 413	15 145	15 145	*850	14 295	10 310	36	36

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
238, Specialty trade contractors—Con.										
2383, Building finishing contractors—Con.										
23834, Tile and terrazzo contractors—Con.										
238340, Tile and terrazzo contractors										
Total	8 927	58 774	1 834 142	5 908 510	5 852 769	218 640	5 634 129	3 747 534	4	4
Legal form of organization:										
Corporate	5 181	46 828	1 531 164	4 810 051	4 758 696	180 224	4 578 473	3 015 261	4	4
Noncorporate	3 746	11 945	302 978	1 098 460	1 094 073	38 417	1 055 656	732 273	10	10
Individual proprietorship	3 099	9 163	229 374	832 929	832 221	26 410	805 811	567 847	13	13
Partnership	567	2 525	68 191	250 385	246 706	11 157	235 550	154 116	15	15
Other noncorporate and unknown.....	80	*257	5 413	15 145	15 145	*850	14 295	10 310	36	36
23835, Finish carpentry contractors										
Total	35 094	171 836	4 708 451	18 439 604	18 134 124	2 513 106	15 621 018	9 737 285	2	2
Legal form of organization:										
Corporate	20 838	131 489	3 846 944	14 315 589	14 046 167	1 890 721	12 155 447	7 645 925	2	2
Noncorporate	14 256	40 347	861 507	4 124 015	4 087 957	622 386	3 465 571	2 091 361	5	4
Individual proprietorship	12 008	28 167	556 614	2 658 608	2 636 331	357 274	2 279 058	1 381 882	5	6
Partnership	1 889	11 112	278 037	1 378 083	1 365 107	254 418	1 110 690	656 109	10	7
Other noncorporate and unknown.....	359	1 068	*26 856	87 324	86 518	10 694	*75 824	*53 370	40	*42
238350, Finish carpentry contractors										
Total	35 094	171 836	4 708 451	18 439 604	18 134 124	2 513 106	15 621 018	9 737 285	2	2
Legal form of organization:										
Corporate	20 838	131 489	3 846 944	14 315 589	14 046 167	1 890 721	12 155 447	7 645 925	2	2
Noncorporate	14 256	40 347	861 507	4 124 015	4 087 957	622 386	3 465 571	2 091 361	5	4
Individual proprietorship	12 008	28 167	556 614	2 658 608	2 636 331	357 274	2 279 058	1 381 882	5	6
Partnership	1 889	11 112	278 037	1 378 083	1 365 107	254 418	1 110 690	656 109	10	7
Other noncorporate and unknown.....	359	1 068	*26 856	87 324	86 518	10 694	*75 824	*53 370	40	*42
23839, Other building finishing contractors										
Total	3 776	50 837	1 727 903	4 920 658	4 877 356	303 774	4 573 582	3 415 363	3	3
Legal form of organization:										
Corporate	2 977	46 728	1 620 273	4 564 984	4 523 940	280 300	4 243 640	3 176 679	3	3
Noncorporate	799	4 109	107 631	355 673	353 416	23 474	329 942	238 684	9	9
Individual proprietorship	543	1 742	35 319	135 787	135 410	7 688	127 722	93 368	19	18
Partnership	233	2 202	66 047	202 826	200 946	15 555	185 392	132 366	11	11
Other noncorporate and unknown.....	24	164	6 265	17 060	17 060	232	16 828	12 949	6	6
238390, Other building finishing contractors										
Total	3 776	50 837	1 727 903	4 920 658	4 877 356	303 774	4 573 582	3 415 363	3	3
Legal form of organization:										
Corporate	2 977	46 728	1 620 273	4 564 984	4 523 940	280 300	4 243 640	3 176 679	3	3
Noncorporate	799	4 109	107 631	355 673	353 416	23 474	329 942	238 684	9	9
Individual proprietorship	543	1 742	35 319	135 787	135 410	7 688	127 722	93 368	19	18
Partnership	233	2 202	66 047	202 826	200 946	15 555	185 392	132 366	11	11
Other noncorporate and unknown.....	24	164	6 265	17 060	17 060	232	16 828	12 949	6	6
2389, Other specialty trade contractors										
Total	62 687	523 626	16 744 084	65 870 033	64 515 077	8 422 812	56 092 265	38 444 115	1	1
Legal form of organization:										
Corporate	42 616	442 868	14 890 459	57 130 364	56 004 876	7 446 936	48 557 940	33 335 321	1	1
Noncorporate	20 071	80 759	1 853 625	8 739 670	8 510 201	975 876	7 534 325	5 108 794	3	3
Individual proprietorship	15 656	48 602	932 201	4 704 208	4 622 209	461 720	4 160 490	2 727 894	4	4
Partnership	3 835	28 025	811 113	3 571 756	3 444 359	451 808	2 992 550	2 128 870	4	5
Other noncorporate and unknown.....	580	4 131	110 311	463 705	443 633	62 347	381 285	252 030	14	15
23891, Site preparation contractors										
Total	30 589	284 528	9 769 890	38 290 034	37 754 592	5 220 653	32 533 940	23 286 650	1	1
Legal form of organization:										
Corporate	20 519	244 016	8 755 360	33 542 725	33 081 531	4 690 267	28 391 263	20 399 965	2	2
Noncorporate	10 071	40 512	1 014 530	4 747 310	4 673 062	530 385	4 142 676	2 886 685	4	4
Individual proprietorship	8 023	23 967	509 176	2 533 044	2 492 022	230 564	2 261 458	1 562 242	5	5
Partnership	1 817	14 758	450 514	2 034 866	2 004 264	271 267	1 732 997	1 213 583	6	6
Other noncorporate and unknown.....	230	*1 787	*54 840	179 400	176 775	28 554	148 221	110 859	30	33

See footnotes at end of table.

Table 6. Selected Statistics for Establishments by Industry and Legal Form of Organization: 2002—Con.

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

Item	Number of establishments	Total number of employees	Total payroll	Value of business done ¹	Value of construction work ¹	Cost of construction work subcontracted out to others	Net value of construction work	Value added	Relative standard error of estimate (percent) for column—	
									E	G
	A	B	C	D	E	F	G	H	E	G
23, Construction—Con.										
238, Specialty trade contractors—Con.										
2389, Other specialty trade contractors—Con.										
23891, Site preparation contractors—Con.										
238910, Site preparation contractors										
Total	30 589	284 528	9 769 890	38 290 034	37 754 592	5 220 653	32 533 940	23 286 650	1	1
Legal form of organization:										
Corporate	20 519	244 016	8 755 360	33 542 725	33 081 531	4 690 267	28 391 263	20 399 965	2	2
Noncorporate	10 071	40 512	1 014 530	4 747 310	4 673 062	530 385	4 142 676	2 886 685	4	4
Individual proprietorship	8 023	23 967	509 176	2 533 044	2 492 022	230 564	2 261 458	1 562 242	5	5
Partnership	1 817	14 758	450 514	2 034 866	2 004 264	271 267	1 732 997	1 213 583	6	6
Other noncorporate and unknown	230	\$1 787	\$54 840	179 400	176 775	28 554	148 221	110 859	30	33
23899, All other specialty trade contractors										
Total	32 098	239 098	6 974 194	27 579 999	26 760 485	3 202 159	23 558 326	15 157 465	2	2
Legal form of organization:										
Corporate	22 097	198 851	6 135 099	23 587 639	22 923 345	2 756 668	20 166 677	12 935 355	2	2
Noncorporate	10 000	40 247	839 095	3 992 360	3 837 139	445 490	3 391 649	2 222 110	4	4
Individual proprietorship	7 633	24 635	423 025	2 171 164	2 130 187	231 156	1 899 031	1 165 651	6	6
Partnership	2 018	13 267	360 599	1 536 891	1 440 094	180 541	1 259 553	915 287	7	7
Other noncorporate and unknown	350	2 344	55 472	284 305	266 857	33 793	233 064	141 171	12	13
238990, All other specialty trade contractors										
Total	32 098	239 098	6 974 194	27 579 999	26 760 485	3 202 159	23 558 326	15 157 465	2	2
Legal form of organization:										
Corporate	22 097	198 851	6 135 099	23 587 639	22 923 345	2 756 668	20 166 677	12 935 355	2	2
Noncorporate	10 000	40 247	839 095	3 992 360	3 837 139	445 490	3 391 649	2 222 110	4	4
Individual proprietorship	7 633	24 635	423 025	2 171 164	2 130 187	231 156	1 899 031	1 165 651	6	6
Partnership	2 018	13 267	360 599	1 536 891	1 440 094	180 541	1 259 553	915 287	7	7
Other noncorporate and unknown	350	2 344	55 472	284 305	266 857	33 793	233 064	141 171	12	13

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

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

Appendix A.

Explanation of Terms

ESTABLISHMENT

A relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. Generally, 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.

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 which were inactive or idle for the entire year were not included.

NUMBER OF EMPLOYEES

Includes all full-time and part-time individuals on the payrolls of construction establishments during any part of the pay period which included the 12th of March, May, August, and November. Included are individuals on paid sick leave, paid holidays, paid vacations, and salaried officers and executives of a corporation. Excluded are subcontractors and their employees; temporary staffing obtained from a staffing service; and proprietors and partners of unincorporated businesses.

Includes all permanent full-time and part-time employees who are on the payrolls of establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November.

The all employees or total number of employees number is the sum of construction workers plus other employees who were on the payroll during the pay periods including the 12th of March, May, August, and November, divided by four.

Construction workers

Includes all payroll workers (up through the working supervisory 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, 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.

The average number of construction workers is the sum of construction workers who were on the payroll during the pay periods including the 12th of March, May, August, and November, divided by four.

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.

The average number of other employees is the sum of other employees who were on the payroll during the pay periods including the 12th of March, May, August, and November, divided by four.

PAYROLL

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, and 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 for Construction Workers

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, and vacation and sick leave pay, prior to deductions such as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds.

Payroll for Other Employees

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, and 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.

FIRST-QUARTER PAYROLL FOR ALL EMPLOYEES

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 the first quarterly pay period which includes March 12. Included are all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, and vacation and sick leave pay, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. It also includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if unincorporated.

FRINGE BENEFITS FOR ALL EMPLOYEES

Includes the total sum of fringe benefits of all full-time and part-time employees on the payrolls of construction establishments during any part of the pay period which included the 12th of the months specified on the report form. Includes expenditures made by the employer for legally required and voluntary fringe benefit programs for employees.

Legally Required Expenditures

Includes expenditures made by the employer for social security and Medicare contributions, unemployment compensation, worker's compensation, and state temporary disability payments.

Voluntary Expenditures

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.

VALUE OF BUSINESS DONE

Includes the sum of value of construction work and other business receipts. Value of business done is the sum of receipts, billings, or sales from establishments of construction business activities plus receipts from other business activities.

Value of Construction Work

In the 1987-1997 censuses, the value of construction work was collected to measure actual construction activity done during the year. Studies have shown that respondents were not able to accurately report these data. In 2002, receipts, billings, or sales for construction work was collected.

This item includes the receipts, billings, or sales for construction work done by building contractors, heavy and civil engineering construction contractors, and specialty trade contractors. Included are new construction, additions, alterations or reconstruction, and maintenance and repair construction work. 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 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 receipts from business operations in foreign countries.

The value of construction work consists of several components that are summed up individually to get the total value of construction work. These components are:

1. Value of construction work on government owned projects. This is the total of all projects owned by federal, state, and local governments:
 - a. Value of construction work on federally owned projects. This is the value of construction work for projects owned by the federal government.
 - b. Value of construction work on state and locally owned projects. This is the summed total value of construction work for all projects owned by state and local governments.
2. Value of construction work on privately owned projects. This is the value of construction work for projects owned privately (excluding government owned projects).

Other Business Receipts

Includes the receipts for all other business activities done by an establishment in the current year. 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 nonoperating income such as interest, dividends, the sale of fixed assets, or receipts from other business operations in foreign countries.

NET VALUE OF CONSTRUCTION WORK

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

VALUE ADDED

This measure of construction activity 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 CONSTRUCTION WORK SUBCONTRACTED IN FROM OTHERS

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 dollar value.

CONSTRUCTION RECEIPTS PERCENT ESTIMATED

Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, the data were calculated using industry averages and imputation for nonresponse.

SELECTED COSTS

Includes the direct charges actually paid or payable for costs incurred for purchases of materials, components, and supplies; costs of 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 not included.

Cost of Materials, Components, and Supplies

Includes the costs for materials, components, and supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities plus costs for materials bought and resold to others. Also included are costs made for direct purchases of materials, components, and supplies although 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 are also included. Excluded from this item are the cost of fuels, lubricants, electric energy, and 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 Construction Work Subcontracted Out to Others

Includes 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. These costs are reported under costs for materials, components, and supplies. Also excluded are costs for the rental of machinery or equipment.

Cost of Selected Power, Fuels, and Lubricants

Includes 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, and coal and coke products.

The components of selected power, fuels, and lubricants are:

1. Purchased electricity. This is the cost of electric energy purchased during the year from other companies or received from other establishments of the company.
2. Natural gas and manufactured gas. This is the cost of natural gas and manufactured gas purchased during the year from other companies or received from other establishments of the company.
3. Gasoline and diesel fuel. This is the cost of gasoline and diesel fuel purchased during the year from other companies or received from other establishments of the company. This cost is broken down into two different uses of gasoline and diesel fuel. They are:
 - a. On-highway use of gasoline and diesel fuel. This is the cost of 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 the vehicle was 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.

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- b. Off-highway use of gasoline and diesel fuel. This is the cost of 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.
 4. All other fuels and lubricants. This is the cost of fuels and lubricants purchased during the year from other companies or received from other establishments of the company that are not included as costs in any of these categories: natural gas; manufactured gas; gasoline; and diesel fuel.

COSTS OF MATERIALS, COMPONENTS, SUPPLIES, AND FUELS

Includes the costs for materials, components, and supplies used by establishments in the construction or reconstruction of buildings, structures, or other facilities plus costs for materials bought and resold to others. Also included is the costs for fuels. These include gasoline, diesel fuel, lubricants, 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, and 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; and materials furnished to contractors by the owners of projects.

RENTAL PAYMENTS

Includes the total rental costs for renting and/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.

SELECTED PURCHASED SERVICES

Includes the costs for services purchased from other companies that are paid directly by an establishment that are normally considered as overhead or non-job-related costs. Included are only the cost of repairs necessary to maintain property and equipment. Excluded are the cost of improvements that increase the value of property or the cost of adapting the property for another use. Such costs are included in capital expenditures. Also excluded are the salaries paid to employees and cost of construction activities subcontracted to others already reported within the selected costs of an establishment.

Included in the cost of selected purchased services for communication services is the actual expense incurred or payable during the year for any type of communication. Such types of communication include telephone, data transmission, telegraph, Internet, connectivity, FAX, telex, photo transmission, paging, cellular telephone, on-line access and related services, etc.

Included in the cost of selected purchased services for repairs to buildings and other structures is the actual expense incurred or payable during the year for any type of repair to buildings and other structures. Such types of repair include maintenance and repair of buildings, job-site trailers, and other structures. Excluded are janitorial services.

The cost of selected purchased services for repairs to machinery and equipment is the actual expense incurred or payable during the year for any type of repairs made to structures and equipment by outside companies or from other establishments of the same company. Such types of repairs to machinery and equipment include maintenance and repair of construction equipment and tools; machinery; and office equipment, furniture, and vehicles, including related service contracts.

Included in the cost of selected purchased services for legal services is the actual expense incurred or payable during the year for any type of legal services. Excluded are the salaries paid to employees of the establishment for these services.

Included in the cost of selected purchased services for accounting, auditing, and bookkeeping services is the actual expense incurred or payable during the year for these services. Excluded are the salaries paid to employees of the establishment for these services.

Included in the cost of selected purchased services for advertising and promotional services is the actual expense incurred or payable during the year for these services. Such types of advertising and promotional services include advertising, marketing, promotional, or public relations services.

GROSS BOOK VALUE OF DEPRECIABLE ASSETS AT BEGINNING OF YEAR AND END OF YEAR

Includes the value of depreciable assets for the beginning of year and end of year. Gross value of depreciable assets are usually the original costs of the assets at the beginning of the year. The gross value of depreciable assets at the beginning of the year, plus any capital expenditures for new and used depreciable assets in the reporting year, minus the gross value of depreciable assets sold, retired, scrapped, destroyed, etc. in the reporting year, comprise gross book value of depreciable assets at the end of the year. Depreciable assets are the fixed tangible property of the establishment for which depreciation accounts are ordinarily maintained.

CAPITAL EXPENDITURES, EXCEPT LAND

Includes capital expenditures that 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 the property 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.

RETIREMENTS AND DISPOSITION OF DEPRECIABLE ASSETS

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.

DEPRECIATION CHARGES DURING YEAR

Includes the depreciation expenses of the establishment during 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.

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 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.

Value of Construction Work for Establishments With Inventories

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

BEGINNING AND END OF YEAR INVENTORIES OF MATERIALS AND SUPPLIES

Includes the inventories of materials and supplies owned at the beginning and 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 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 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.

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

Value of Construction Work for Establishments With No Inventories

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

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 reporting year were not included.

Value of Construction Work for Establishments Not Reporting Inventories

Includes 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.

VALUE OF CONSTRUCTION WORK BY TYPE OF CONSTRUCTION

Includes the dollar value of construction work according to the specified types of construction. There are three categories of construction. They are:

1. New construction. The original construction work done on a project including all finishing work on the original building or structure. Land development work on the site and demolition of existing structures are also included.
2. Additions, alterations, or reconstruction. The construction work which adds to the value or useful life of an existing building or structure or which 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, which would be classified as maintenance and repair.
3. Maintenance and repair. The incidental construction work which keeps a property in ordinary working condition. Excluded are trash and snow removal, lawn maintenance and landscaping, cleaning, and janitorial services.

Types 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 its 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. There are two types of construction:

1. Building Construction. The details for this type of construction are defined as:

- 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, excluding attached single-family houses.
- Dormitories and barracks. Includes school dormitories and military or nonmilitary barracks that are nonhousekeeping structures.
- Other manufacturing and industrial buildings. Includes all manufacturing and 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 nonbuilding construction.
- Manufacturing and 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 miscellaneous commercial buildings. Includes all buildings that are intended for use primarily in the retail and service trades, i.e., 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. Includes 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, fitness centers, and bowling alleys.
- Indoor swimming pools. Includes pools that are inside a building.
- Indoor ice rinks. Includes ice rinks that are inside a building.
- Grain elevators and dry cleaning plants. Includes grain and storage elevators and dry cleaning plants.
- Waste disposal plants. Includes recycling centers, garbage disposal plants, incinerator disposed facilities, and material recovery facilities.
- Miscellaneous building construction. Includes all other nonresidential buildings such as fire stations, post offices, and bus and air passenger terminals and hangars.

2. Nonbuilding Construction. The details for this type of construction are defined as:

- Highways, streets, and related work. Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, erosion control, installation of guard rails, highway signs, and lighting. Also includes earthwork protective structures when used in connection with road improvements.
- Airport runways and related work. Includes airport 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.
- Oil and gas pipeline construction. 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, chemical complexes, etc. Includes coke ovens and mining appurtenances such as tipples and washeries.

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- 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 railroad systems, excluding 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 and Solid waste disposal. Includes all dry and 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.
 - Petrochemical plants and petroleum refineries. Includes petroleum related facilities.
 - Outdoor swimming pools. Includes wading pools and reflecting pools.
 - Fencing. Includes all types of fencing, except electronic containment fencing for pets.
 - Electronic containment fencing. Includes all types of electronic containment fencing for pets.
 - Recreational facilities. Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
 - Ships. Includes special trade contractors working on ships and boats such as painters, carpenters, joiners, electricians, etc.
 - Oil and gas fields. Includes road construction, land clearing contracting, land moving contracting, and land leveling contracting in oil and gas fields.
 - Oil and gas field gathering lines. Includes land clearing contracting, land moving contracting, and land leveling contracting.
 - Coal mines. Includes land clearing contracting, land moving contracting, and land leveling contracting.
 - Metal mines. Includes land clearing contracting, land moving contracting, and land leveling contracting.
 - Nonmetallic mines. Includes land clearing contracting, land moving contracting, and land leveling contracting.
 - All other miscellaneous nonbuilding construction. Includes all other types of nonbuilding construction.

KINDS OF BUSINESS ACTIVITIES

Includes dollar value of business done by business activity. Primary activities are construction activities that generate fifty-one percent or more of an establishment's dollar value of business done. Also included 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.

VALUE OF CONSTRUCTION WORK FOR SPECIALIZED TYPE AND KIND OF BUSINESS

Includes value of construction work for one of two specialized categories. These categories include 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. Examples of kind-of-business activity include 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.

SPECIALIZATION PERCENT

Includes data for establishments with payroll that fall within each percent range of specialization.

VALUE OF CONSTRUCTION WORK FOR ESTABLISHMENTS BY LOCATION OF WORK

This is the value of construction done in particular states by establishment. An establishment can do construction in one or more states.

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 23 CONSTRUCTION

The construction sector comprises establishments primarily engaged in the construction of buildings or engineering projects (e.g., highways and utility systems). Establishments primarily engaged in the preparation of sites for new construction and establishments primarily engaged in subdividing land for sale as building sites also are included in this sector.

Construction work done may include new work, additions, alterations, or maintenance and repairs. Activities of these establishments generally are managed at a fixed place of business, but they usually perform construction activities at multiple project sites. Production responsibilities for establishments in this sector are usually specified in (1) contracts with the owners of construction projects (prime contracts) or (2) contracts with other construction establishments (subcontracts).

Establishments primarily engaged in contracts that include responsibility for all aspects of individual construction projects are commonly known as general contractors, but also may be known as design-builders, construction managers, turnkey contractors, or (in cases where two or more establishments jointly secure a general contract) joint-venture contractors. Construction managers that provide oversight and scheduling only (i.e., agency) as well as construction managers that are responsible for the entire project (i.e., at risk) are included as general contractor type establishments. Establishments of the “general contractor type” frequently arrange construction of separate parts of their projects through subcontracts with other construction establishments.

Establishments primarily engaged in activities to produce a specific component (e.g., masonry, painting, and electrical work) of a construction project are commonly known as specialty trade contractors. Activities of specialty trade contractors are usually subcontracted from other construction establishments, but especially in remodeling and repair construction, the work may be done directly for the owner of the property.

Establishments primarily engaged in activities to construct buildings to be sold on sites that they own are known as operative builders, but also may be known as speculative builders or merchant builders. Operative builders produce buildings in a manner similar to general contractors, but their production processes also include site acquisition and securing of financial backing. Operative builders are most often associated with the construction of residential buildings. Like general contractors, they may subcontract all or part of the actual construction work on their buildings.

There are substantial differences in the types of equipment, work force skills, and other inputs required by establishments in this sector. To highlight these differences and variations in the underlying production functions, this sector is divided into three subsectors.

Subsector 236, Construction of Buildings, comprises establishments of the general contractor type and operative builders involved in the construction of buildings. Subsector 237, Heavy and Civil Engineering Construction, comprises establishments involved in the construction of engineering projects. Subsector 238, Specialty Trade Contractors, comprises establishments engaged in specialty trade activities generally needed in the construction of all types of buildings.

Force account construction is construction work performed by an enterprise primarily engaged in some business other than construction for its own account and use, using employees of the enterprise. This activity is not included in the construction sector unless the construction work performed is the primary activity of a separate establishment of the enterprise. The installation and the ongoing repair and maintenance of telecommunications and utility networks is excluded from construction when the establishments performing the work are not independent contractors.

Although a growing proportion of this work is subcontracted to independent contractors in the Construction Sector, the operating units of telecommunications and utility companies performing this work are included with the telecommunications or utility activities.

236 CONSTRUCTION OF BUILDINGS

The Construction of Buildings subsector comprises establishments primarily responsible for the construction of buildings. The work performed may include new work, additions, alterations, or maintenance and repairs. The on-site assembly of precut, panelized, and prefabricated buildings and construction of temporary buildings are included in this subsector. Part or all of the production work for which the establishments in this sector have responsibility may be subcontracted to other construction establishments usually specialty trade contractors.

Establishments in this subsector are classified based on the types of buildings they construct. This classification reflects variations in the requirements of the underlying production processes.

2361 RESIDENTIAL BUILDING CONSTRUCTION

This industry group comprises establishments primarily responsible for the construction or remodeling and renovation of single-family and multifamily residential buildings. Included in this industry are residential housing general contractors (i.e., new construction, remodeling or renovating existing residential structures), operative builders and remodelers of residential structures, residential project construction management firms, and residential design-build firms.

23611 RESIDENTIAL BUILDING CONSTRUCTION

This industry comprises establishments primarily responsible for the construction or remodeling and renovation of single-family and multifamily residential buildings. Included in this industry are residential housing general contractors (i.e., new construction, remodeling or renovating existing residential structures), operative builders and remodelers of residential structures, residential project construction management firms, and residential design-build firms.

236115 NEW SINGLE-FAMILY HOUSING CONSTRUCTION (EXCEPT OPERATIVE BUILDERS)

This U.S. industry comprises general contractor establishments primarily responsible for the entire construction of new single-family housing, such as single-family detached houses and town houses or row houses where each housing unit pertains to one or more of the following:

1. is separated from its neighbors by a ground-to-roof wall and
2. has no housing units constructed above or below.

This industry includes general contractors responsible for the on-site assembly of modular and prefabricated houses. Single-family housing design-build firms and single-family construction management firms acting as general contractors are included in this industry.

236116 NEW MULTIFAMILY HOUSING CONSTRUCTION (EXCEPT OPERATIVE BUILDERS)

This U.S. industry comprises general contractor establishments responsible for the construction of new multifamily residential housing units (e.g., high-rise, garden, and town house apartments and condominiums where each unit is not separated from its neighbors by a ground-to-roof wall). Multifamily design-build firms and multifamily housing construction management firms acting as general contractors are included in this industry.

236117 NEW HOUSING OPERATIVE BUILDERS

This U.S. industry comprises operative builders primarily responsible for the entire construction of new houses and other residential buildings, single-family and multifamily, on their own account for sale. Operative builders are also known as speculative or merchant builders.

236118 RESIDENTIAL REMODELERS

This U.S. industry comprises establishments primarily responsible for the remodeling construction (including additions, alterations, reconstruction, maintenance, and repair work) of houses and other residential buildings (single-family and multifamily). Included in this industry are remodeling general contractors, operative remodelers, remodeling design-build firms, and remodeling project construction management firms.

2362 NONRESIDENTIAL BUILDING CONSTRUCTION

This industry group comprises establishments primarily responsible for the construction (including new work, additions, alterations, maintenance, and repairs) of nonresidential buildings. This industry group includes nonresidential general contractors, nonresidential operative builders, nonresidential design-build firms, and nonresidential project construction management firms.

23621 INDUSTRIAL BUILDING CONSTRUCTION

This industry comprises establishments primarily responsible for the construction (including new work, additions, alterations, maintenance, and repairs) of industrial buildings (except warehouses). The construction of selected additional structures, whose production processes are similar to those for industrial buildings (e.g., incinerators, cement plants, blast furnaces, and similar nonbuilding structures), is included in this industry. Included in this industry are industrial building general contractors, industrial building operative builders, industrial building design-build firms, and industrial building construction management firms.

236210 INDUSTRIAL BUILDING CONSTRUCTION

This U.S. industry comprises establishments primarily responsible for the construction (including new work, additions, alterations, maintenance, and repairs) of industrial buildings (except warehouses). The construction of selected additional structures, whose production processes are similar to those for industrial buildings (e.g., incinerators, cement plants, blast furnaces, and similar nonbuilding structures), is included in this industry. Also included in this industry are industrial building general contractors, industrial building operative builders, industrial building design-build firms, and industrial building construction management firms.

23622 COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

This industry comprises establishments primarily responsible for the construction (including new work, additions, alterations, maintenance, and repairs) of commercial and institutional buildings and related structures, such as stadiums, grain elevators, and indoor swimming pools. This industry includes establishments responsible for the on-site assembly of modular or prefabricated commercial and institutional buildings. Included in this industry are commercial and institutional building general contractors, commercial and institutional building operative builders, commercial and institutional building design-build firms, and commercial and institutional building project construction management firms.

236220 COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

This U.S. industry comprises establishments primarily responsible for the construction (including new work, additions, alterations, maintenance, and repairs) of commercial and institutional buildings and related structures, such as stadiums, grain elevators, and indoor swimming pools. This industry includes establishments responsible for the on-site assembly of modular or prefabricated commercial and institutional buildings. Also included in this industry are commercial and institutional building general contractors, commercial and institutional building operative builders, commercial and institutional building design-build firms, and commercial and institutional building project construction management firms.

237 HEAVY AND CIVIL ENGINEERING CONSTRUCTION

The Heavy and Civil Engineering Construction subsector comprises establishments whose primary activity is the construction of entire engineering projects (e.g., highways and dams), and specialty trade contractors, whose primary activity is the production of a specific component for such

projects. Specialty trade contractors in Heavy and Civil Engineering Construction generally are performing activities that are specific to heavy and civil engineering construction projects and are not normally performed on buildings. The work performed may include new work, additions, alterations, or maintenance and repairs.

Specialty trade activities are classified in this subsector if the skills and equipment present are specific to heavy or civil engineering construction projects. For example, specialized equipment is needed to paint lines on highways. This equipment is not normally used in building applications so the activity is classified in this subsector. Traffic signal installation, while specific to highways, uses much of the same skills and equipment that are needed for electrical work in building projects and is therefore classified in Subsector 238, Specialty Trade Contractors.

Construction projects involving water resources (e.g., dredging and land drainage) and projects involving open space improvement (e.g., parks and trails) are included in this subsector. Establishments whose primary activity is the subdivision of land into individual building lots usually perform various additional site-improvement activities (e.g., road building and utility line installation) and are included in this subsector.

Establishments in this subsector are classified based on the types of structures that they construct. This classification reflects variations in the requirements of the underlying production processes.

2371 UTILITY SYSTEM CONSTRUCTION

This industry group comprises establishments primarily engaged in the construction of distribution lines and related buildings and structures for utilities (i.e., water, sewer, petroleum, gas, power, and communication). All structures (including buildings) that are integral parts of utility systems (e.g., storage tanks, pumping stations, power plants, and refineries) are included in this industry group.

23711 WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

This industry comprises establishments primarily engaged in the construction of water and sewer lines, mains, pumping stations, treatment plants and storage tanks. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to water and sewer line and related structures construction. All structures (including buildings) that are integral parts of water and sewer networks (e.g., storage tanks, pumping stations, water treatment plants, and sewage treatment plants) are included in this industry.

237110 WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION

This U.S. industry comprises establishments primarily engaged in the construction of water and sewer lines, mains, pumping stations, treatment plants, and storage tanks. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to water and sewer line and related structures construction. All structures (including buildings) that are integral parts of water and sewer networks (e.g., storage tanks, pumping stations, water treatment plants, and sewage treatment plants) are included in this industry.

23712 OIL AND GAS PIPELINE AND RELATED STRUCTURES CONSTRUCTION

This industry comprises establishments primarily engaged in the construction of oil and gas lines, mains, refineries, and storage tanks. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to oil and gas pipeline and related structures construction. All structures (including buildings) that are integral parts of oil and gas networks (e.g., storage tanks, pumping stations, and refineries) are included in this industry.

237120 OIL AND GAS PIPELINE AND RELATED STRUCTURES CONSTRUCTION

This U.S. industry comprises establishments primarily engaged in the construction of oil and gas lines, mains, refineries, and storage tanks. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to oil and gas pipeline and related structures construction. All structures (including buildings) that are integral parts of oil and gas networks (e.g., storage tanks, pumping stations, and refineries) are included in this industry.

23713 POWER AND COMMUNICATION LINE AND RELATED STRUCTURES CONSTRUCTION

This industry comprises establishments primarily engaged in the construction of power lines and towers, power plants, and radio, television, and telecommunications transmitting/receiving towers. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to power and communication line and related structures construction. All structures (including buildings) that are integral parts of power and communication networks (e.g., transmitting towers, substations, and power plants) are included.

237130 POWER AND COMMUNICATION LINE AND RELATED STRUCTURES CONSTRUCTION

This U.S. industry comprises establishments primarily engaged in the construction of power lines and towers, power plants, and radio, television, and telecommunications transmitting/receiving towers. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to power and communication line and related structures construction. All structures (including buildings) that are integral parts of power and communication networks (e.g., transmitting towers, substations, and power plants) are included.

2372 LAND SUBDIVISION

This industry group comprises establishments primarily engaged in servicing land and subdividing real property into lots, for subsequent sale to builders. Servicing of land may include excavation work for the installation of roads and utility lines. The extent of work may vary from project to project. Land subdivision precedes building activity and the subsequent building is often residential, but may also be commercial tracts and industrial parks. These establishments may do all the work themselves or subcontract the work to others. Establishments that perform only the legal subdivision of land are not included in this industry.

23721 LAND SUBDIVISION

This industry comprises establishments primarily engaged in servicing land and subdividing real property into lots, for subsequent sale to builders. Servicing of land may include excavation work for the installation of roads and utility lines. The extent of work may vary from project to project. Land subdivision precedes building activity and the subsequent building is often residential, but may also be commercial tracts and industrial parks. These establishments may do all the work themselves or subcontract the work to others. Establishments that perform only the legal subdivision of land are not included in this industry.

237210 LAND SUBDIVISION

This U.S. industry comprises establishments primarily engaged in servicing land and subdividing real property into lots for subsequent sale to builders. Servicing of land may include excavation work for the installation of roads and utility lines. The extent of work may vary from project to project. Land subdivision precedes building activity and the subsequent building is often residential, but may also be commercial tracts and industrial parks. These establishments may do all the work themselves or subcontract the work to others. Establishments that perform only the legal subdivision of land are not included in this industry.

2373 HIGHWAY, STREET, AND BRIDGE CONSTRUCTION

This industry group comprises establishments primarily engaged in the construction of highways (including elevated), streets, roads, airport runways, public sidewalks, or bridges. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to highway, street, and bridge construction (e.g., installing guardrails on highways).

23731 HIGHWAY, STREET, AND BRIDGE CONSTRUCTION

This industry comprises establishments primarily engaged in the construction of highways (including elevated), streets, roads, airport runways, public sidewalks, or bridges. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to highway, street, and bridge construction (e.g., installing guardrails on highways).

237310 HIGHWAY, STREET, AND BRIDGE CONSTRUCTION

This U.S. industry comprises establishments primarily engaged in the construction of highways (including elevated), streets, roads, airport runways, public sidewalks, or bridges. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to highway, street, and bridge construction (e.g., installing guardrails on highways).

2379 OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

This industry group comprises establishments primarily engaged in heavy and engineering construction projects (excluding highway, street, bridge, and distribution line construction). The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to engineering construction projects (excluding highway, street, bridge, distribution line, oil and gas structure, and utilities building and structure construction). Construction projects involving water resources (e.g., dredging and land drainage), development of marine facilities, and projects involving open space improvement (e.g., parks and trails) are included in this industry.

23799 OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

This industry comprises establishments primarily engaged in heavy and engineering construction projects (excluding highway, street, bridge, and distribution line construction). The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to engineering construction projects (excluding highway, street, bridge, distribution line, oil and gas structure, and utilities building and structure construction). Construction projects involving water resources (e.g., dredging and land drainage), development of marine facilities, and projects involving open space improvement (e.g., parks and trails) are included in this industry.

237990 OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

This U.S. industry comprises establishments primarily engaged in heavy and engineering construction projects (excluding highway, street, bridge, and distribution line construction). The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to engineering construction projects (excluding highway, street, bridge, distribution line, oil and gas structure, and utilities building and structure construction). Construction projects involving water resources (e.g., dredging and land drainage), development of marine facilities, and projects involving open space improvement (e.g., parks and trails) are included in this industry.

238 SPECIALTY TRADE CONTRACTORS

The Specialty Trade Contractors subsector comprises establishments whose primary activity is performing specific activities (e.g., pouring concrete, site preparation, plumbing, painting, and electrical work) involved in building construction or other activities that are similar for all types of

construction but that are not responsible for the entire project. The work performed may include new work, additions, alterations, maintenance, and repairs. The production work performed by establishments in this subsector is usually subcontracted from establishments of the general contractor type or operative builders but, especially in remodeling and repair construction, work also may be done directly for the owner of the property. Specialty trade contractors usually perform most of their work at the construction site, although they may have shops where they perform prefabrication and other work. Establishments primarily engaged in preparing sites for new construction are also included in this subsector.

There are substantial differences in types of equipment, work force skills, and other inputs required by specialty trade contractors. Establishments in this subsector are classified based on the underlying production function for the specialty trade in which they specialize. Throughout the Specialty Trade Contractors subsector, establishments commonly provide both the parts and labor required to complete work. For example, electrical contractors supply the current-carrying and noncurrent-carrying wiring devices that are required to install a circuit. Plumbing, Heating and Air-Conditioning contractors also supply the parts required to complete a contract.

Establishments that specialize in activities primarily related to heavy and civil engineering construction that are not normally performed on buildings, such as the painting of lines on highways are classified in Subsector 237, Heavy and Civil Engineering Construction.

Establishments that are primarily engaged in selling construction materials are classified in Sector 42, Wholesale Trade, or Sector 44-45, Retail Trade, based on the characteristics of the selling unit.

2381 FOUNDATION, STRUCTURE, AND BUILDING EXTERIOR CONTRACTORS

This industry group comprises establishments primarily engaged in the specialty trades needed to complete the basic structure (i.e., foundation, frame, and shell) of buildings. The work performed may include new work, additions, alterations, maintenance, and repairs.

23811 POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

This industry comprises establishments primarily engaged in pouring and finishing concrete foundations and structural elements. This industry also includes establishments performing grout and shotcrete work. The work performed may include new work, additions, alterations, maintenance, and repairs.

238110 POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

This U.S. industry comprises establishments primarily engaged in pouring and finishing concrete foundations and structural elements. This industry also includes establishments performing grout and shotcrete work. The work performed may include new work, additions, alterations, maintenance, and repairs.

23812 STRUCTURAL STEEL AND PRECAST CONCRETE CONTRACTORS

This industry comprises establishments primarily engaged in one or more of the following:

1. erecting and assembling structural parts made from steel or precast concrete (e.g., steel beams, structural steel components, and similar products of precast concrete); and/or
2. assembling and installing other steel construction products (e.g., steel rods, bars, rebar, mesh, and cages) to reinforce poured-in-place concrete.

The work performed may include new work, additions, alterations, maintenance, and repairs.

238120 STRUCTURAL STEEL AND PRECAST CONCRETE CONTRACTORS

This U.S. industry comprises establishments primarily engaged in:

1. erecting and assembling structural parts made from steel or precast concrete (e.g., steel beams, structural steel components, and similar products of precast concrete) and/or

-
2. assembling and installing other steel construction products (e.g., steel rods, bars, rebar, mesh, and cages) to reinforce poured-in-place concrete.

The work performed may include new work, additions, alterations, maintenance, and repairs.

23813 FRAMING CONTRACTORS

This industry comprises establishments primarily engaged in structural framing and sheathing using materials other than structural steel or concrete. The work performed may include new work, additions, alterations, maintenance, and repairs.

238130 FRAMING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in structural framing and sheathing using materials other than structural steel or concrete. The work performed may include new work, additions, alterations, maintenance, and repairs.

23814 MASONRY CONTRACTORS

This industry comprises establishments primarily engaged in masonry work, stone setting, brick laying, and other stone work. The work performed may include new work, additions, alterations, maintenance, and repairs.

238140 MASONRY CONTRACTORS

This U.S. industry comprises establishments primarily engaged in masonry work, stone setting, brick laying, and other stone work. The work performed may include new work, additions, alterations, maintenance, and repairs.

23815 GLASS AND GLAZING CONTRACTORS

This industry comprises establishments primarily engaged in installing glass panes in prepared openings (i.e., glazing work) and other glass work for buildings. The work performed may include new work, additions, alterations, maintenance, and repairs.

238150 GLASS AND GLAZING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in installing glass panes in prepared openings (i.e., glazing work) and other glass work for buildings. The work performed may include new work, additions, alterations, maintenance, and repairs.

23816 ROOFING CONTRACTORS

This industry comprises establishments primarily engaged in roofing. This industry also includes establishments treating roofs (i.e., spraying, painting, or coating) and installing skylights. The work performed may include new work, additions, alterations, maintenance, and repairs.

238160 ROOFING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in roofing. This industry also includes establishments treating roofs (i.e., spraying, painting, or coating) and installing skylights. The work performed may include new work, additions, alterations, maintenance, and repairs.

23817 SIDING CONTRACTORS

This industry comprises establishments primarily engaged in installing siding of wood, aluminum, vinyl or other exterior finish material (except brick, stone, stucco, or curtain wall). This industry also includes establishments installing gutters and downspouts. The work performed may include new work, additions, alterations, maintenance, and repairs.

238170 SIDING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in installing siding of wood, aluminum, vinyl, or other exterior finish material (except brick, stone, stucco, or curtain wall). This industry also includes establishments installing gutters and downspouts. The work performed may include new work, additions, alterations, maintenance, and repairs.

23819 OTHER FOUNDATION, STRUCTURE, AND BUILDING EXTERIOR CONTRACTORS

This industry comprises establishments primarily engaged in building foundation and structure trades work (except poured concrete, structural steel, precast concrete, framing, masonry, glass and glazing, roofing, and siding). The work performed may include new work, additions, alterations, maintenance, and repairs.

238190 OTHER FOUNDATION, STRUCTURE, AND BUILDING EXTERIOR CONTRACTORS

This U.S. industry comprises establishments primarily engaged in building foundation and structure trades work (except poured concrete, structural steel, precast concrete, framing, masonry, glass and glazing, roofing, and siding). The work performed may include new work, additions, alterations, maintenance, and repairs.

2382 BUILDING EQUIPMENT CONTRACTORS

This industry group comprises establishments primarily engaged in installing or servicing equipment that forms part of a building mechanical system (e.g., electricity, water, heating, and cooling). The work performed may include new work, additions, alterations, or maintenance and repairs. Contractors installing specialized building equipment, such as elevators, escalators, service station equipment, and central vacuum cleaning systems are also included.

23821 ELECTRICAL CONTRACTORS

This industry comprises establishments primarily engaged in installing and servicing electrical wiring and equipment. Electrical contractors included in this industry may include both the parts and labor when performing work. Electrical contractors may perform new work, additions, alterations, maintenance, and repairs.

238210 ELECTRICAL CONTRACTORS

This U.S. industry comprises establishments primarily engaged in installing and servicing electrical wiring and equipment. Electrical contractors included in this industry may include both the parts and labor when performing work. Electrical contractors may perform new work, additions, alterations, maintenance, and repairs.

23822 PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

This industry comprises establishments primarily engaged in installing and servicing plumbing, heating, and air-conditioning equipment. Contractors in this industry may provide both parts and labor when performing work. The work performed may include new work, additions, alterations, maintenance, and repairs.

238220 PLUMBING, HEATING, AND AIR-CONDITIONING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in installing and servicing plumbing, heating, and air-conditioning equipment. Contractors in this industry may provide both parts and labor when performing work. The work performed may include new work, additions, alterations, maintenance, and repairs.

23829 OTHER BUILDING EQUIPMENT CONTRACTORS

This industry comprises establishments primarily engaged in installing or servicing building equipment (except electrical; plumbing; heating, cooling, or ventilation equipment). The repair and maintenance of miscellaneous building equipment is included in this industry. The work performed may include new work, additions, alterations, maintenance, and repairs.

238290 OTHER BUILDING EQUIPMENT CONTRACTORS

This U.S. industry comprises establishments primarily engaged in installing or servicing building equipment (except electrical; plumbing; and heating, cooling, or ventilation equipment). The repair and maintenance of miscellaneous building equipment is included in this industry. The work performed may include new work, additions, alterations, maintenance, and repairs.

2383 BUILDING FINISHING CONTRACTORS

This industry group comprises establishments primarily engaged in the specialty trades needed to finish buildings. The work performed may include new work, additions, alterations, or maintenance and repairs.

23831 DRYWALL AND INSULATION CONTRACTORS

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

238310 DRYWALL AND INSULATION CONTRACTORS

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

23832 PAINTING AND WALL COVERING CONTRACTORS

This industry comprises establishments primarily engaged in interior or exterior painting or interior wall covering. The work performed may include new work, additions, alterations, maintenance, and repairs.

238320 PAINTING AND WALL COVERING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in interior or exterior painting or interior wall covering. The work performed may include new work, additions, alterations, maintenance, and repairs.

23833 FLOORING CONTRACTORS

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

238330 FLOORING CONTRACTORS

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

23834 TILE AND TERRAZZO CONTRACTORS

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

238340 TILE AND TERRAZZO CONTRACTORS

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

23835 FINISH CARPENTRY CONTRACTORS

This industry comprises establishments primarily engaged in finish carpentry work. The work performed may include new work, additions, alterations, maintenance, and repairs.

238350 FINISH CARPENTRY CONTRACTORS

This U.S. industry comprises establishments primarily engaged in finish carpentry work. The work performed may include new work, additions, alterations, maintenance, and repairs.

23839 OTHER BUILDING FINISHING CONTRACTORS

This industry comprises establishments primarily engaged in building finishing trade work (except drywall, plaster and insulation work; painting and wall covering work; flooring work; tile and terrazzo work; and finish carpentry work). The work performed may include new work, additions, alterations, or maintenance and repairs.

238390 OTHER BUILDING FINISHING CONTRACTORS

This U.S. industry comprises establishments primarily engaged in building finishing trade work (except drywall, plaster and insulation work; painting and wall covering work; flooring work; tile and terrazzo work; and finish carpentry work). The work performed may include new work, additions, alterations, or maintenance and repairs.

2389 OTHER SPECIALTY TRADE CONTRACTORS

This industry group comprises establishments primarily engaged in site preparation activities and in specialized trades (except foundation, structure, and building exterior contractors; building equipment contractors; building finishing contractors; and site preparation contractors). The specialty trade work performed includes new work, additions, alterations, maintenance, and repairs.

23891 SITE PREPARATION CONTRACTORS

This industry comprises establishments primarily engaged in site preparation activities, such as excavating and grading, demolition of buildings and other structures, septic system installation, and house moving. Earth moving and land clearing for all types of sites (e.g., building, nonbuilding, mining) is included in this industry. Establishments primarily engaged in construction equipment rental with operator (except cranes) are also included.

238910 SITE PREPARATION CONTRACTORS

This U.S. industry comprises establishments primarily engaged in site preparation activities, such as excavating and grading, demolition of buildings and other structures, septic system installation, and house moving. Earth moving and land clearing for all types of sites (e.g., building, nonbuilding, mining) is included in this industry. Establishments primarily engaged in construction equipment rental with operator (except cranes) are also included.

23899 ALL OTHER SPECIALTY TRADE CONTRACTORS

This industry comprises establishments primarily engaged in specialized trades (except foundation, structure, and building exterior contractors; building equipment contractors; building finishing contractors; and site preparation contractors). The specialty trade work performed includes new work, additions, alterations, maintenance, and repairs.

238990 ALL OTHER SPECIALTY TRADE CONTRACTORS

This U.S. industry comprises establishments primarily engaged in specialized trades (except foundation, structure, and building exterior contractors; building equipment contractors; building finishing contractors; and site preparation contractors). The specialty trade work performed includes new work, additions, alterations, maintenance, and repairs.

Appendix C.

Methodology

SOURCES OF THE DATA

The construction sector includes approximately 650,000 establishments that were determined to be in-scope of the 2002 Economic Census — Construction. This number includes those industries in the North American Industry Classification System (NAICS) definition of construction with at least one paid employee in 2002.

Establishments in the 2002 Economic Census are divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining census information from each are described below:

1. Establishments sent a report form:

Sample frame 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) that 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. For single-location companies, the IRS-SSA information is generally sufficient for assigning the company to a specific six-digit NAICS industry code.

The 2002 NAICS structure for the construction sector was significantly revised from the 1997 NAICS structure. Initially, only a small proportion of the establishments in the sample frame could be directly assigned a 2002 NAICS industry code with a high degree of confidence. Therefore, a special classification card was mailed to 150,000 construction establishments in early 2002. The goal of this classification card was to obtain the current NAICS industry code prior to assembly of the sample frame for the economic census — construction sample.

2. Establishments not sent a report form:

a. Nonsample frame establishments. There were a limited number of establishments included in the business register who were completely unclassified at the time of the economic census — construction sampling operation. These establishments were mailed a general classification card in early 2003. A portion of these were ultimately determined to be in-scope of the economic census — construction. Since this determination was not made until after the sample selection operation had been completed; these establishments were treated as a supplement to the original universe and were sampled independently for inclusion in the derived estimates.

b. All nonemployers, i.e., all firms subject to federal income tax, with no paid employees, were also excluded from the 2002 sample frame, as in previous censuses. Nonemployers with significant levels of receipts data were identified and included in the census mailout under the presumption that the nonemployer status may have been incorrect. Those determined to have employees are included in this report. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms used to collect information for establishments in this sector are available at help.econ.census.gov/econhelp/resources/.

A more detailed examination of census methodology is presented in the *History of the Economic Census* at www.census.gov/econ/www/history.html.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments covered in the 2002 Economic Census — Construction are classified in 1 of 31 industries in accordance with the industry definitions in the *North American Industry Classification System (NAICS), United States, 2002* manual. Changes between 1997 and 2002 affecting this sector are discussed in the text at the beginning of this report. Tables at www.census.gov/epcd/naics02/n02ton97.htm identify those industries that changed between the 1997 North American Industry Classification System (NAICS) and 2002 NAICS.

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 by construction, value of business done, 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 2002, there are 3 subsectors (three-digit NAICS), 10 industry groups (four-digit NAICS), 28 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 31 U.S. industries (six-digit NAICS).

ESTABLISHMENT BASIS OF REPORTING

The 2002 Economic Census — Construction 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 that has been established for the management of more than one project or job and that 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.

The 2002 Economic Census — Construction excludes data for central administrative offices (CAOs). These would include separately operated administrative offices, warehouses, garages, and other auxiliary units that service construction establishments of the same company. These data are published in a separate report series.

DESCRIPTION OF THE SAMPLE FRAME

The major objective of the sample design was to provide a sample that would provide reliable estimates at the state by industry level. For sample efficiency considerations, the establishments in the initial 2002 construction frame were partitioned into two components for developing estimates within the sample frame. The details of each are described below:

1. Probability-proportionate-to-size (pps) sample. There were three non-overlapping strata for sample selection. An independent sample was selected within each state by industry cell. The details of each stratum were defined as:

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- Stratum 1. This stratum was comprised of approximately 12,000 establishments associated with multilocation companies. The establishments of these multiunit companies were included in the construction sample with certainty.
 - Stratum 2. This stratum was comprised of approximately 145,000 single-location companies that could be classified into a valid 2002 NAICS industry. These cases accounted for approximately 75 percent of the payroll associated with single-location companies in construction. The industry code for most of these establishments was determined from the special classification card that was mailed in early 2002. This group was partitioned into state by NAICS (six-digit) cells and an independent sample selected from each cell. Within each cell, a probability-proportionate-to-size (pps) sampling strategy was used. Under this approach, the probability of selection for the sample for larger establishments is higher than for smaller establishments. There were approximately 80,000 establishments selected from this group.
 - Stratum 3. This stratum was comprised of the remaining single-location companies. For these companies, we did not have an updated 2002 NAICS industry code. The most recent classification information available for these companies was their 1997 NAICS. Using this 1997 NAICS industry code, this stratum was partitioned into state by NAICS (four-digit) cells; and an independent sample selected from each cell. Again, probability-proportionate-to-size sampling methodology was utilized. There were approximately 30,000 establishments selected from this group.

Subsequent to the initial census mail-out, companies that initiated operations in 2002 were identified via administrative sources. To assure proper representation of the entire in-scope population, simple random samples of these new operations were selected and mailed separately.

2. Estimation and variances. Based on the response data, establishments were assigned to the appropriate NAICS (six-digit) 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.

The resulting estimates were generated from one of many possible samples and are subject to sampling variability. Estimates of this sample variability were independently derived at all levels of aggregation. These sampling variances were then aggregated to the publication levels for the computation of the relative standard errors.

RELIABILITY OF DATA

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 that 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:

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- 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.

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.

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 in a specific industry or geographic area is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

