

**16** DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

**General** - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**Valuation of Materials Consumed** - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amount actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

**Contract Work** - Include all materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in **15**, line A5, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

**Resales** - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

INFORMATION COPY  
 DO NOT USE TO REPORT

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
	Fabricated metal products (excluding castings and forgings)				
<b>1</b>	Bolts, nuts, screws, washers, rivets, and other screw machine products . . . . .	332722 03 2			
<b>2</b>	Metal stampings . . . . .	332000 AC 2			
<b>3</b>	Fabricated metal pipe . . . . .	332900 05 9			
<b>4</b>	Valves and pipe fittings . . . . .	332919 05 9			
<b>5</b>	Parts and attachments specially designed for heating equipment (excluding electric) . . . . .	333414 03 5			
<b>6</b>	Other fabricated metal products . . . . .	332000 37 1			
<b>7</b>	Forgings . . . . .	332100 01 5			
	Castings (rough and semifinished)				
<b>8</b>	Iron and steel . . . . .	331510 01 6			
<b>9</b>	Aluminum and aluminum-base alloy . . . . .	331520 05 6			
<b>10</b>	Other nonferrous . . . . .	331520 13 0			

33316084

CONTINUE WITH **16** ON PAGE 9

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

**16** DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
	Shapes and forms (excluding castings, forgings, and fabricated metal products)				
	Steel				
<b>11</b>	Bars, bar shapes, and plate . . . . .	331200 07 1			
<b>12</b>	Sheet and strip . . . . .	331200 17 0			
<b>13</b>	Structural shapes . . . . .	331200 69 1			
<b>14</b>	All other steel shapes and forms . . . . .	331200 91 5			
<b>15</b>	Copper and copper-base alloy . . . . .	331421 11 5			
<b>16</b>	Aluminum and aluminum-base alloy . . . . .	331000 39 8			
<b>17</b>	All other nonferrous shapes and forms . . . . .	331000 83 6			
<b>18</b>	Integral horsepower electric motors and generators (1 hp or more) . . . . .	335312 21 1			
<b>19</b>	Automatic temperature controls (thermostats, regulators, etc.) . . . . .	334512 00 1			
<b>20</b>	Paperboard containers, boxes, and corrugated paperboard . . . . .	322210 01 4			
<b>21</b>	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99 8			
<b>22</b>	<b>TOTAL</b> (Should equal total reported in <b>16</b> , line A1) . . . . .	771000 00 7			

**17-21** Not Applicable.

33316092

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

**General** - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of 2. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**Valuation of Products** - Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

**Contract Work** - Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census code 000930 0000 8.

**Resales** - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 000999 8900 6, "Resales."

**Detailed Data Reported Elsewhere** - Items denoted by an asterisk (\*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR form, the sum of the detailed products should equal the total reported on this form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.

**NOTE:** Only totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts			
				Quantity	Value, f.o.b. plant		
					\$ Bil.	Mil.	Thou.
0734		0730	0736	0732	0731		
	Cast iron heating boilers, radiators, and convectors (except parts)		↑ number ↓				
	Cast iron boilers						
<b>1</b>	Gas . . . . .	333414 1101 6					
<b>2</b>	Other . . . . .	333414 1106 5					
	Radiators and convectors						
<b>3</b>	Cast iron and steel . . . . .	333414 1111 5					
<b>4</b>	Aluminum and other nonferrous metal (including baseboard and finned tube-type, residential, industrial, and special types) . . . . .	333414 1116 4					
	Domestic hearth appliances (except electric; excluding parts)						
	Gas-fueled						
<b>5</b>	B-vent, direct vent, vent-free (free-standing and fireplace insert) . . . . .	333414 3101 4					
	Log sets						
<b>6</b>	Vented . . . . .	333414 3106 3					
<b>7</b>	Ventless . . . . .	333414 3111 3					

33316100

CONTINUE WITH 22 ON PAGE 11

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
	Domestic hearth appliances (except electric; excluding parts) - Continued Gas-fueled - Continued Built-in appliances		number					
8	B-vent . . . . .	333414 3116 2						
9	Direct vent . . . . .	333414 3121 2						
10	Vent-free . . . . .	333414 3126 1						
11	Coal, kerosene, gasoline, and fuel oil . . . . .	333414 3131 1						
	Wood							
12	Free standing fireplaces and stoves (all types) including circulating and radiants . .	333414 3136 0						
13	Pellet fuel-burning heaters . . . . .	333414 3141 0						
14	Heat exchangers and zero clearance (factory built) fireplaces . . . . .	333414 3146 9						
15	Fireplace inserts . . . . .	333414 3151 9						
	Steel heating boilers (15 psi working pressure or less) and all hot water heating boilers (excluding parts) (exclude value of oil burners shipped with boilers) (Report burners on lines 28 and 29.)			number				
16	400,000 btu/hr or less . . . . .	333414 5101 2						
	Steel heating boilers (15 psi working pressure or less) and all hot water heating boilers (excluding parts) (exclude value of oil burners shipped with boilers) (report burners on lines 28 and 29.)			number				
17	400,001 btu/hr or more (including scotch-type and horizontal fire box) . . . . .	333414 5111 1						
18	Warm air furnaces (including duct, humidifiers, central systems and self-contained, and electric comfort heating equipment; excluding portable and residential wall or baseboard radiant heating units) (Corresponds to value of shipments reported on CIR Form MA333M, Refrigeration, Air Conditioning, and Warm Air Heating Equipment, for 2002, item codes 6104-6120)* . . . . .	333415 C100 3						
19	Parts for warm air furnaces (including duct; excluding complete humidifiers) . . . . .	333415 D181 2						
	Other heating equipment (except warm air furnaces; including parts for nonelectric heating equipment and oil burners)							
20	Floor and wall furnaces (gas and oil) (exclude value of oil burners shipped with furnaces) (Report burners on line 26.) . . . . .	333414 7101 0						

CONTINUE WITH 22 ON PAGE 12

33316118

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued							
Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts			
				Quantity	Value, f.o.b. plant		
					\$ Bil.	Mil.	Thou.
0734		0730	0736	0732	0731		
	Other heating equipment (except warm air furnaces; including parts for nonelectric heating equipment and oil burners) - Continued						
	Unit heaters						
21	Gas-fired, 400,000 btu/hr or less . . . . .	333414 7106 9					
22	Steam or hot water heating element, centrifugal fan-type (blower) and propeller fan-type . . . . .	333414 7111 9					
23	Gas-fired infrared heaters . . . . .	333414 7116 8	number				
24	Mechanical stokers . . . . .	333414 7121 8					
25	Parts for floor and wall furnaces, unit heaters, gas-fired infrared heaters and mechanical stokers . . . . .	333414 7126 7					
26	Oil burners (except range-type) . . . . .	333414 9101 8					
27	Parts and attachments for oil burners . . . . .	333414 9106 7					
	Gas burners and gas conversion burners (including parts)		number				
28	400,000 btu/hr or less . . . . .	333414 9111 7					
29	400,001 btu/hr or more . . . . .	333414 9116 6					
30	Parts and attachments for gas burners (sold separately) . . . . .	333414 9121 6					
31	Unit ventilators . . . . .	333414 9126 5					
32	Nonelectric prefabricated metal fireplaces for commercial and industrial use . . . . .	333414 9131 5	number				
33	Solar energy collectors (water or air) . . . . .	333414 9136 4					
34	Electric swimming pool heaters . . . . .	333999 8993 9					
35	Wall and baseboard heating units for permanent installation . . . . .	333414 9140 6					
36	Parts, accessories, and attachments for wall and baseboard heating units . . . . .	333414 9150 5					
37	Other heating equipment including dual-fired gas and oil burners, heat transfer coils (blast coils), range boilers, expansion tanks (including basement tanks), tanks for direct-fired water heaters (sold separately), and other parts for heating equipment, except electric (sold separately) (Specify kind.) ↴	333414 9151 3					

CONTINUE WITH 22 ON PAGE 13

33316126

**If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.**

**22** DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Products shipped and other receipts				
				Quantity	Value, f.o.b. plant			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
<b>38</b>	Factory-fabricated water cooling towers made of Metal plate . . . . .	333414 9153 9						
<b>39</b>	Sheet metal . . . . .	332322 E109 1						
<b>40</b>	Wood . . . . .	321999 0185 4						
<b>41</b>	All other products made in this establishment - <i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.</i>	18						
<b>42</b>		26						
<b>43</b>		34						
<b>44</b>		42						
<b>45</b>		59						
<b>46</b>		67						
<b>47</b>	Contract work - Receipts for work done for others on their materials ( <i>Specify products worked on and kind of work.</i> ) ↴	000930 0000 8						
<b>48</b>	Miscellaneous receipts Sales of scrap and refuse . . . . .	000999 8013 8						
<b>49</b>	Other miscellaneous receipts (including receipts for repair work, etc.) . . . . .	000999 8098 9						
<b>50</b>	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in <b>15</b> , line A2.) . . . . .	000999 8900 6						
<b>51</b>	<b>TOTAL</b> ( <i>Should equal <b>4</b>, line A</i> ) . . . . .	770000 0000 8						

**23-27** Not Applicable.

33316134

**28** ESTABLISHMENT ACTIVITIES

**A.** Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.  
(Mark "X" ALL that apply.)

This activity was performed -			
By this establishment	By another establishment of this company	By another company	Not at all
0921 <input type="checkbox"/>	8071 <input type="checkbox"/>	0941 <input type="checkbox"/>	0961 <input type="checkbox"/>
<b>1.</b> Product design/engineering . . . . .			
<b>2.</b> Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
<b>a.</b> Bundling or kitting (combining multiple items into a prepackaged product) . . . . .			
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
<b>b.</b> Pick and pack (taking goods from inventory and packaging them to fill orders). . . . .			
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
<b>c.</b> Warehousing of finished products . . . . .			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
<b>d.</b> Breaking bulk (reducing large shipments into smaller portions for customers) . . . . .			
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
<b>e.</b> Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas) . . . . .			
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
<b>f.</b> Long distance delivery (beyond local areas and commercial zones) . . . . .			
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>
<b>g.</b> Processing of returned merchandise . . . . .			

**B.** During 2002 did this establishment:

- |  |                                   |                                  |
|--|-----------------------------------|----------------------------------|
| <b>1.</b> Manage inventory owned by this establishment AND held at this location? . . . . .  | 0936 <input type="checkbox"/> Yes | 0937 <input type="checkbox"/> No |
| <b>2.</b> Manage inventory owned by this establishment BUT held at a customer's location? . . . . .  | 0956 <input type="checkbox"/> Yes | 0957 <input type="checkbox"/> No |
| <b>3.</b> Manage inventory owned by another company BUT held at this location? . . . . .   | 0976 <input type="checkbox"/> Yes | 0977 <input type="checkbox"/> No |
| <b>4.</b> Manage inventory owned by another company AND held somewhere other than at this location? . . . . .  | 0994 <input type="checkbox"/> Yes | 0995 <input type="checkbox"/> No |
| <b>5.</b> Contract with another firm for any of your production using materials owned by this location? . . . . .  | 8041 <input type="checkbox"/> Yes | 8042 <input type="checkbox"/> No |
| <b>6.</b> Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? . . . . . | 8044 <input type="checkbox"/> Yes | 8045 <input type="checkbox"/> No |
| <b>7.</b> Manufacture products for a government to their specifications? . . . . .   | 8047 <input type="checkbox"/> Yes | 8048 <input type="checkbox"/> No |
| <b>8.</b> Manufacture products for another business to their specifications? . . . . .   | 8016 <input type="checkbox"/> Yes | 8017 <input type="checkbox"/> No |
| <b>9.</b> Manufacture products for a final retail customer to their specifications? . . . . .  | 8060 <input type="checkbox"/> Yes | 8062 <input type="checkbox"/> No |



33316142

**If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.**

**29 OPERATIONAL STATUS**

Activity that best describes this establishment's status at the end of 2002  
(Mark "X" only ONE box.)

- 0011  In operation
- 0012  Under construction, development, or exploration
- 0013  Temporarily or seasonally inactive
- 0014  Ceased operation - Give date at right →
- 0015  Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

0060 Name of new owner or operator		0061 Employer Identification Number		
		Enter EIN of new owner (9 digits) →		
0062 Mailing address (number and street, P.O. Box, etc.)				
0063 City, town, village, etc.		0064 State	0065 ZIP Code	

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

**30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.**

Is the time period covered by this report a calendar year?

- 0078  Yes
- 0079  No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
0070			0071		

0072 Name of person to contact regarding this report		0073 Title			

Telephone	Area code	Number		Extension	Fax	Area code	Number	
0074		-			0075		-	

0076 Internet e-mail address			Date completed	Month	Day	Year
			0069			

**Thank you for completing your 2002 Economic Census form.**  
**PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.**

33316159