

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997**

**INSTRUCTIONS**

**1. General** – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. 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 which are not listed, describe and report them in the "Cost of all other materials . . ." line 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 970099 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.

**2. 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 amounts 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.

**3. Contract Work** – Include as 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 item 10, line e, 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.

**4. 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 item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

Line No.	Materials, parts, and supplies  <b>(A)</b>		Census material code  <b>(B)</b>	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) <b>(E)</b>		
				574 Millions	Thou- sands	Dollars
<b>1</b>	FABRICATED METAL PRODUCTS (Except castings and forgings)	Bolts, nuts, rivets, screws, and screw machine products	345001 2	\$		
<b>2</b>		All other fabricated metal products	340098 3			
<b>3</b>	CASTINGS (Rough and semifinished)	Iron and steel	332001 7			
<b>4</b>		Nonferrous (aluminum, copper, etc.)	336010 4			
<b>5</b>	Forgings		346000 3			
<b>6</b>	Shapes and Forms (Except castings and forgings)	STEEL	Bars, bar shapes, and plates	331007 5		
<b>7</b>			Concrete reinforcing bars	331009 1		
<b>8</b>			Sheet and strip	331022 4		
<b>9</b>			Structural shapes	331071 1		
<b>10</b>			All other steel shapes and forms	331037 2		
<b>11</b>			Copper and copper-base alloy		335105 3	
<b>12</b>	ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8			
<b>13</b>		Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	335405 7			
<b>14</b>		All other aluminum and aluminum-base alloy shapes and forms, including refinery shapes (wire, rolled rod and bar, powder, ingot, slugs, billet, etc.)	330008 4			
<b>15</b>	All other nonferrous shapes and forms		335099 8			

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Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued					
Line No.	Materials, parts, and supplies  <b>(A)</b>	Census material code  <b>(B)</b>	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) <b>(E)</b>		
			574 Millions	Thou- sands	Dollars
16	Scrap; including iron, steel, aluminum and aluminum-base alloy (excluding home scrap)	190060 4	\$		
17	Flat glass (plate, float, and sheet)	321101 8			
18	Paperboard containers and corrugated paperboard	265001 8			
19	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	285101 2			
20	Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i>	970099 8			
21	<b>TOTAL</b> Sum of lines 1–20 should equal item 10, line a		\$		

Item 18A. SELECTED METALWORKING AND RELATED OPERATIONS PERFORMED IN THIS ESTABLISHMENT DURING 1997		Census code	Mark (X) appropriate box	
<b>Were any of the operations listed below performed in this establishment in 1997?</b> <i>If "Yes," indicate in column (C) by marking appropriately, which of the specified operations were performed in this establishment during 1997. Where "YES" is marked, show in column (D) the approximate number of production workers on all shifts usually engaged in the specified operation.</i>		591	592	
			Yes	No
		208	1 <input type="checkbox"/>	2 <input type="checkbox"/>

Line No.	Operation  <b>(A)</b>	Census code  <b>(B)</b>	Was this operation performed in this establishment during 1997?  <b>(C)</b>		Number of production workers (on all shifts) usually employed when operated (estimate if necessary)  <b>(D)</b>
			592		
			Yes	No	
1	Electroplating and other plating	018	1 <input type="checkbox"/>	<input type="checkbox"/>	
2	Galvanizing and other hot dip coating	026	1 <input type="checkbox"/>	<input type="checkbox"/>	
3	Heat treating of metals for production purposes	034	1 <input type="checkbox"/>	<input type="checkbox"/>	
4	Precision turned products (on screw machines, turning centers, and CNC equipment)	042	1 <input type="checkbox"/>	<input type="checkbox"/>	
5	Machine shop	059	1 <input type="checkbox"/>	<input type="checkbox"/>	
6	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling	067	1 <input type="checkbox"/>	<input type="checkbox"/>	
7	Pattern shop (foundry patterns only – metal, wood, etc.)	075	1 <input type="checkbox"/>	<input type="checkbox"/>	
8	Sheet metal work, aluminum or steel	083	1 <input type="checkbox"/>	<input type="checkbox"/>	
9	Stamping and blanking of metals	091	1 <input type="checkbox"/>	<input type="checkbox"/>	
10	Painting, lacquering, and enameling on metals	109	1 <input type="checkbox"/>	<input type="checkbox"/>	
11	Welding of steel plate for manufacturing production	117	1 <input type="checkbox"/>	<input type="checkbox"/>	
12	Welding repair shop	125	1 <input type="checkbox"/>	<input type="checkbox"/>	

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**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997**

**INSTRUCTIONS**

**1. 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 item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

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.

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

**3. 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 product code 93000 00 8.

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

**2. 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.

**4. 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 product code 99989 00 6, "Resales."

Line No.	Products and services  (A)			Census product code  (B)	Products shipped and other receipts				
					Value, f.o.b. plant (E)				
				581	584	Thou-	Dollars		
				Millions	sands				
1	<b>Air-Conditioning Ducts and Stove Pipe (34441)</b>	AIR-CONDITIONING DUCTS (Including dust collecting ducts)	Steel	34441 21 2	\$				
2			Aluminum	34441 23 8					
3		STOVE PIPE, FURNACE SMOKE PIPE, AND ELBOWS	Steel	34441 27 9					
4			Aluminum	34441 29 5					
5	<b>CULVERTS, FLUMES, IRRIGATION PIPES, ETC. (34442)</b>	Steel		34442 13 7					
6		Aluminum		34442 15 2					
7		Other metal		34442 19 4					
8	<b>BINS AND VATS (34443)</b>	Grain, excluding drying floors, fans, and heaters (steel and aluminum)			34443 14 3				
9		Other, including feed storage bins and sheet metal vats (steel and aluminum)			34443 24 2				
10	<b>Metal Roofing and Roof Drainage Equipment (34444)</b>	METAL ROOFING	Steel, all types		34444 11 7				
11			Aluminum and other metals, all types		34444 17 4				
12		ROOF DRAINAGE EQUIPMENT (Including eave troughs, etc.)	Steel		34444 23 2				
13			Aluminum		34444 29 9				
14			All other metals		34444 31 5				
15	<b>Metal Flooring and Siding (34445)</b>	Fabricated metal flooring			34445 05 6				
16		METAL SIDING	Steel		34445 16 3				
17			Aluminum	Residential (including mobile homes)		34445 17 1			
18				Other (commercial, industrial, farm buildings, etc.)		34445 18 9			
19			Other metals		34445 19 7				

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**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued**

Line No.	Products and services  <b>(A)</b>			Census product code  <b>(B)</b>	Products shipped and other receipts			
					Value, f.o.b. plant <b>(E)</b>			
				581	584	Thou-	Millions	sands
20	<b>Metal Awings, Canopies, Cornices, and Soffits (34447)</b>	AWINGS, CANOPIES, CARPORTS, AND PATIOS	Steel	34447 21 9	\$			
21			Aluminum	34447 25 0				
22			Cornices, skylights, domes, copings (steel and aluminum)	34447 31 8				
23			Soffits, fascia, and shutters (steel and aluminum)	34447 41 7				
24	<b>Electronic Enclosures (34448)</b>	COMPUTER AND PERIPHERAL EQUIPMENT	Steel	34448 11 8				
25			Aluminum	34448 13 4				
26			Other electronic enclosures (excluding computers; including machine and motor housings, panels, and guards) (steel and aluminum)	34448 19 1				
27	<b>Other Sheet Metal Work (34449)</b>	Roof ventilators		34449 31 4				
28		Louvers and dampers for heating, ventilation, and air-conditioning (steel and aluminum)		34449 41 3				
29		RESTAURANT AND HOTEL KITCHEN SHEET METAL EQUIPMENT (Table tops, drainboards, etc.)	Steel	34449 53 8				
30			Aluminum	34449 55 3				
31		OTHER SHEET METAL WORK	Steel – <i>Specify kind</i>		34449 62 9			
32			Aluminum – <i>Specify kind</i>		34449 65 2			
33			Metals except steel and aluminum – <i>Specify kind</i>		34449 98 3			
34	Fabricated iron and steel for buildings, industrial use			34411 41 3				
35	Aluminum molding and trim			34423 25 1				
36	Weldments and fabricated steel plate, other than pipe, penstocks, tunnel lining, stacks, breeching, and shielding for use in nuclear reactor buildings			34432 99 7				
37	<b>Architectural and Ornamental Work (Except curtain wall and other exterior panels)</b>	WARM AIR OR AIR-CONDITIONING GRILLES AND REGISTERS	Iron and steel	34461 10 3				
38			Aluminum	34461 12 9				
39		STAIRS, STAIRCASES, AND FIRE ESCAPES	Iron and steel	34462 10 1				
40			Aluminum	34462 12 7				
41	Prefabricated metal building systems, industrial and commercial (excluding farm service buildings, residential buildings, and parts for prefabricated buildings)			34481 15 0				
42	<b>CUSTOM ROLL FORMED PRODUCTS (34498)</b>	Carbon steel		34498 11 3				
43		Stainless steel		34498 13 9				
44		Aluminum		34498 15 4				
45		Other metals		34498 17 0				
46	Receipts for machine shop job work			35995 00 0				

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services  (A)	Census product code  (B)	Products shipped and other receipts		
			Value, f.o.b. plant (E)		
			584 Millions	Thou- sands	Dollars
47	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT  <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>	18	\$		
48		26			
49		34			
50		42			
51		59			
52		67			
53		CONTRACT WORK  <i>Receipts for work done for others on their own materials . . . . . Describe below products worked on and kind of work</i>	93000 00 8		
54	MISCELLANEOUS RECEIPTS Sales of scrap and refuse	99980 13 8			
55	Receipts for research and developmental work	99980 41 9			
56	Other miscellaneous receipts (including receipts for repair work, etc.)	99980 98 9			
57	RESALES Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
58	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1–57, column (E)	77000 00 8	\$		

Items 19–21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report ( <i>Print or type</i> )		Telephone	Area code	Number	Extension		
667	1	2					
Name of company			Address ( <i>Number and street, city, State, ZIP Code</i> )				
Period covered		FROM: Month	Day	Year	TO: Month	Day	Year
		666	1		2		
Signature of authorized person				Title		Date	