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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 diect, has ges incurred in acquiring the materials.

Materials received from other plants within the plants within the plants within the plant plant plant plant plant plants the color of the plant plant plants the color of the plants within the the lalue

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 agnificantly from the amounts purchased or transferred, these amounts should be adjusted for onlyinges in the paterials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work - Include at my trial consumer those you purchased for use by others making products for you under contract. Amounts pad the companies doing the contract work should be reported in , 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 6, line A2, not in 6. The value of these products shipped by this establishment should be reported in 2 under Census product code 000999 8900 6, "Resales."

Line No.	Consumption materials a received establishin code Materials, parts, and supplies Census material code Cost, includition (free					
			\$ Bil.	Mil.	Thou.	
	0634	0630	0631			
	Fabricated metal products (excluding castings and forgings)					
	Tubiloutou Histar products (excluding custings and longings)					
1	Fabricated metal pipe	332900 05 9		1 1	1 1	
2	Valves and pipe fittings					
_						
3	Parts specially designed for steel power boilers, nec	332000 A3 2				
4	All other fabricated metal products	332000 39 7				
-	All other labricated metal products	332000 39 7				
	Castings (rough and semifinished)					
5	Iron and steel	331510 01 6				
				1 1		
6	Nonferrous (aluminum, copper, etc.)	331520 11 4				
7	Forgings	332100 01 5				
-	Forgings	332100 01 3				
	Shapes and forms (excluding castings, forgings, and fabricated metal products)					
	Steel					
8	Bars and bar shapes (excluding concrete reinforcing bars)	331200 57 6				
	Chart and atria	224200 47.0		1 1	1 1	
9	Sheet and strip	331200 17 0				
10	Plate	331200 79 0	1	1 1	1 1	
	CONTINUE WITH © ON PAGE 9					

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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."

	under Census code 000393 6900 0, Tresales.							
Line No.	Products and services	Census product	Products shipped ar other receipts, includ interplant transfers					
ne		code	Va	lue, f.o.b.	plant			
			\$ Bil.	Mil.	Thou.			
	0734	0730	0731					
	Heat exchangers and steam condensers (except for nuclear applications) Heat exchangers, closed type, industrial							
1	Bare tube	332410 1101 5						
2	Fin tube	332410 1206 2						
3	Steam condensers	332410 1311 0	,					
	Steel power boilers (stationary and marine), parts, and attachments (except nuclear applications)							
	Water tube more than 15 psi steam working pressure							
	100,000 lb/hr or less							
_								
4	Saturated	332410 5106 0						
5	Super heated	332410 5111 0						
	100,001 lb/hr or more				l l			
6	Saturated	332410 5126 8						
7	Super heated	332410 5131 8						
8	Other water tube	332410 5141 7						
9	Fire tube horizontal return tubular and firebox	332410 5169 8						
	Fire tube							
10	Scotch type pressure	332410 5171 4						
11	Vertical and other fire tube type	332410 5181 3		-	- - 			
12	Steel power boilers (stationary and marine) (except nuclear applications)	332410 5186 2						
13	Parts and attachments for steel power boilers, sold separately	332410 5291 0						

CONTINUE WITH 2 ON PAGE 11

Nu	not shown, please enter your 11-digit Census File mber (CFN) from the mailing address.						
Line No.	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued Products and services	Census product	Products shipped and other receipts, including interplant transfers				
ine		code	Va	ılue, f.o.b.	plant		
_	0734	0730	\$ Bil.	Mil.	Thou.		
	Gas cylinders				1 1		
14	Seamless, ferrous and nonferrous	332420 7101 8					
15	Welded, ferrous and nonferrous	332420 7106 7					
	Metal tanks complete at factory (standard line pressure)						
16	Liquefied petroleum gas tanks (all types), ferrous and nonferrous	332420 9101 6	,				
17	Air receivers, ferrous and nonferrous	332420 9106 5					
	Other pressure tanks (including anhydrous ammonia tanks, but excluding						
18	range boilers, expansion tanks, hot-water storage tanks, and tanks for water heater sold separately), ferrous and nonferrous	332420 9111 5					
19	Nuclear reactor steam supply systems (including primary vessels and tanks) (sold separately); heat exchangers and condensers (sold separately); pressurizers, components, and auxiliary equipment (sold separately), ferrous and nonferrous	332420 A100 6			1 1		
		332420 A100 0					
	Metal tanks complete at factory (standard line nonpressure) Storage tanks 4,000 gallon capacity or less						
20		000400 0404 0					
20	Ferrous	332420 C101 2					
21	Nonferrous	332420 C106 1					
	More than 4,000 gallon capacity						
22	Ferrous	332420 C111 1					
23	Nonferrous	332420 C116 0					
	Other nonpressure tanks (including tanks for trailers, metal septic tanks, and truck tanks, for delivery of fluids)						
24	Ferrous	332420 C121 0					
25	Nonferrous	332420 C126 9					
	Metal tanks and vessels, custom fabricated at the factory Pressure vessels and tanks (more than 24 in. outside diameter and not less than 5 cu ft capacity) (excluding liquefied petroleum gas) Ferrous						
26	Refineries, chemical plants, and paper mills	332420 E101 0					
27	Other processing industries	332420 E106 9		1 1	1 1		
28	Nonferrous process vessels, tanks, and kettles for refineries, chemical plants, and paper mills	332420 E211 7					
29	Liquefied petroleum gas tanks, ferrous and nonferrous	332420 E216 6	ı	<u> </u>			

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22	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued				
Line No.	Products and services	332420 E221 6 332420 E226 5	ncluding nsfers		
ine.					
7	0734	0730	-	Mil.	Thou.
	Metal tanks and vessels, custom fabricated at the factory - Continued				
	All other tanks and vessels, custom fabricated at the factory (including anhydrous ammonia tanks)				
30	Ferrous	332420 E221 6	j		
31	Nonferrous	332420 F226 5			
		002 120 2220 0			
	Metal tanks and vessels, custom fabricated and field erected				
	Bulk storage tanks Elevated type				
	Ferrous				
32	Dry materials	332420 G101 8			
33	Water	332420 G106 7	·		
34	Other liquids	332420 G111 7		1 1	
35	Nonferrous	332420 G116 6			
	Ground storage type Ferrous				
36	Dry materials	332420 G121 6			
37	Petroleum products	332420 G126 5			
38	Water	332420 G131 5			
39	Other	332420 G136 4			
40	Nonferrous	332420 G141 4		·	
	Pressure vessels and tanks (including gas holders and process vessels, tanks, and kettles)				
41	Ferrous refineries, chemical plants, and paper mills	332420 G246 1			
42	Ferrous other processing industries	332420 G351 9			
42	Nonferrous metal pressure vessels and tanks (including gas holders	222400 0050 0			
43	and process vessels, etc.), custom fabricated and field erected	332420 G356 8			
44	Electrical and electronic reinforced and fiberglass plastics products	326199 A121 0			
45	Vulcanizable elastomeric linings	326299 7145 1			
	Custom roll form products, nsk (Specify kind.)				
46		332114 0YWW 8			
		332117 01 00 0			

CONTINUE WITH **②** ON PAGE 13

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22	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued				
Line No.	Products and services	Census product code	other inte	ucts shipp receipts, erplant tra	including insfers
.⊑				lue, f.o.b.	T
_	0734	0730	\$ Bil.	Mil.	Thou.
	0/34	0730	0/31		
	Fabricated structural metal Metal bar joist and concrete reinforcing bars made from a) iron and steel, b) aluminum and used for, i) industrial, ii) commerical, iii) residential, iv) institutional, v) public, vi) utility buildings (Specify metal used and intended structure.)				
47		332312 1YWV 9			
	Other fabricated structural metal made from a) iron and steel, b) aluminum, c) other metal and used for, ii) transmission/communication structures, ii) offshore structures, iii) underground structures, iv) aerospace structures, v) ships structures (Specify metal used and intended structure.)				
48		332312 5YWV 5	ı		1 1
	Fabricated steel plate (stacks and weldments), nsk (Specify kind.)	332312 31 WV 3			
40		000010 0\01404/			
49		332313 0YWW 6			
50	Sheet metal work	332322 WYWW 4			
	Ornamental and architectural metal work, nsk (Specify kind.)				
51		332323 3YWV 4			
-	Other architectural and ornamental work, nsk (Specify kind.)				
52		332323 9YWV 8			
53	Receipts for machine shop job work and job order repairs	332710 0100 1			
54	Gates, globes, angles, straightway (Y-type) checks, stop and check, cross, 3- and 4-way, arbon steel and forged, etc. (including manual and power-operated, on-off valves; excluding automatic valves and water works)	332911 1105 3			
55	Fabricated iron and steel pipe and pipe fittings made from purchased pipe .	332996 3101 1		1 1	I I
56	Fabricated pipe and pipe fittings made from purchased pipe and aluminum and aluminum-base alloy	332996 3203 5			
57	Metal pallets and skids (excluding wood and metal combination)	332999 H305 7			
58	Other fabricated metal products, nec (including metal ironing boards and metal memorial tablets and grave markers)	332999 H397 4			
59	Dairy and milk products plant machinery and equipment (except cream separators, dryers, freezing equipment, or equipment for treating milk and dairy products by means of a change in temperature)	333294 1141 8			

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22	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued						
Line No.	Products and services	Census product code	Products shipped and other receipts, includin interplant transfers Value, f.o.b. plant				
ŗ	0734	0730	\$ Bil.	Mil.	Thou.		
	Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing, nsk (Specify kind.)						
60		333415 WYWW 5					
61	Air and gas compressors, except compressors for ice making, refrigeration, or air-conditioning equipment, and air motors and packaged compressors .	333912 1110 0		1 1			
	Bulk material handling conveyors and conveying systems (excluding hoists) Farm conveyors, elevators, and stackers (Specify kind.)						
62		333922 7257 2					
	Trippers, centrifugal throwers, etc. (Specify kind.)						
63		333922 7281 2					
64	Automobile and light truck trailers, 26,000 pounds or less GVW (including general utility, commercial display, etc., and for transport of goods (excluding travel and camping trailers)	336214 3111 4	ı				
65	Railroad and streetcar parts and accessories (excluding braking equipment and hook and coupling devices)	336510 5419 0					
	All other products made in this establishment - 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.						
66		18					
67		26					
68		34					
69		42					
70		59					
71		67					
	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.)						
72		000000 0000 0					

CONTINUE WITH **②** ON PAGE 15



Line No.

73

74

75

0734

Miscellaneous receipts

Sales of scrap and refuse

Receipts for installation or construction

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

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

Products and services

Cens	other receipts, including interplant transfers									
		Value, f.o.b. plant								
	\$ Bil.		Mil.		T	Thou.				
0730		0731								
0009	999 8013 8									
0009	999 8031 0									
0000	200 90/1 0									

000999 8041 9

76	Other miscellaneous receipts (including receipts for repair work, etc.)	000999 8098 9					
77	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in © , line A2.)	000999 8900 6					
78	TOTAL (Should equal 4), line A)	770000 0000 8					
2	23–27 Not Applicable.						

Receipts for research and developmental work



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28	ESTA	BLISHMENT 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.)			y this lishment	By estab	activity w another olishment f this mpany	t By another company		er	Not at all	
	1.	Product design/engineering	0921		8071		0941			0961	
	2.	Order fulfillment									
		a. Bundling or kitting (combining multiple items into a prepackaged product)	0923		8072		0943			0963	
		b. Pick and pack (taking goods from inventory and packaging them to fill orders)	0924		8073		0944			0964	
		c. Warehousing of finished products	0925		8074		0945			0965	
		d. Breaking bulk (reducing large shipments into smaller portions for customers)	0926		8075		0946			0966	
		e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas)	0927		8076		0947			0967	
		f. Long distance delivery (beyond local areas and commercial zones)	0928		8077		0948			0968	
		g. Processing of returned merchandise	0932	Ш	8078	Ш	0952	Ш	-	0972	Ш
B. During 2002 did this establishment:											
	1.	Manage inventory owned by this establishment AND held at this location?	0936	☐ Ye	S		0937		No		
	2.	Manage inventory owned by this establishment BUT held at a customer's location?	0956	☐ Yes	S		0957		No		
	3.	Manage inventory owned by another company BUT held at this location?	0976	☐ Ye	S		0977		No		
	4.	Manage inventory owned by another company AND held somewhere other than at this location?	0994	☐ Ye	S		0995		No		
	5.	Contract with another firm for any of your production using materials owned by this location?	8041	□ Ye	s		8042		No		
	6.	Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion?	8044	☐ Yes	S		8045		No		
	7.	Manufacture products for a government to their specifications?	8047	☐ Ye	S		8048		No		
	8.	Manufacture products for another business to their specifications?	8016	☐ Ye	s		8017		No		
	9.	Manufacture products for a final retail customer to their specifications?	8060	□ Ye:	S		8062		No		

If not shown, please enter your 11-digit Census Fi Number (CFN) from the mailing address.	ile
29 OPERATIONAL STATUS	,
Activity that best describes this establishment's st (Mark "X" only ONE box.)	atus at the end of 2002
0011 In operation 0013 Temporari	ily or seasonally inactive
development, or exploration Sold or leading Give date	ased to another operator - at right AND enter new name ng address below
0060 Name of new owner or operator	0061 Employer Identification Number
0062 Mailing address (number and street, P.O. Box	Enter EIN of new owner (9 digits)
0063 City, town, village, etc.	0064 State 0065 ZIP Code
<u> </u>	rate and was prepared in accordance with the instructions.
s the time period covered by this report a calendar yea OO78	FROM
Name of person to contact regarding this report	0073 Title
Telephone O074 Area code Number - 0074	Extension Fax O075 Area code Number - Date completed O069 Month Day Year
Thank you for completing	g your 2002 Economic Census form.