17 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.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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 **(C**), 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 **(b**, line A2, not in **(b**, The value of these products shipped by this establishment should be reported in **(2**) under Census product code 999890 0000, "Resales."

Lines 9 and 10 - Scrap generated in other establishments of your company and transferred to this establishment should be reported as scrap purchased from outside sources. Exclude home scrap.

e No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption materials recei	ved from of your c		blishments
Line			quantitios	Quantity		(freight-in)
	0634	0630	0636	0632	\$ Bil. 0631	Mil.	Thou.
	Shapes and forms (excluding castings, forgings, and fabricated metal products) Ferrous						
1	Pig iron	331200 45					
2	Ferrochromium	331112 05	short tons				
3	Ferromanganese, silicomanganese, and manganese	331112 03					
4	Ferrosilicon (more than 8 percent silicon)	331112.07	A CO	ΡΥ			
5	Ferrosilicon (more than 8 percent silicon) All other ferrous shapes and formsFOR Nonferrous Nickel and nickel-base allo	MA 331000 13	REP	ORT			
	Nonferrous	USE TC					
6	Nickel and nickel-base allo	331419 24					
7	Cobalt-base alloy	331419 47					
8	All other nonferrous shapes and forms	331419 05					

CONTINUE WITH 🔂 ON PAGE 9

17	DETAILED COST OF MATERIALS, PARTS, AND SUPP	PLIES - Continue	d				
o.		Census material	Unit of	Consumption materials rec	n of purch eived from of your c	n other est	erials and of ablishments
Line No.	Materials, parts, and supplies	code	measure foi quantities	Quantity	Cost, ir	elivery cost in)	
	0634	0630	0636	0632	\$ Bil. 0631	Mil.	Thou.
	Purchased scrap (excluding home scrap)						
)	Iron and steel	330000 49					
0	All other purchased scrap	330000 57					
	Stone, clay, glass, and concrete products						I I
1	Clay refractories	327124 00					
2	Grinding wheels and other abrasive products (excluding industrial diamonds)	327910 01					
3	Nonclay refractories	327125 00					
4	All other stone, clay, glass, and concrete products	327000 10					
	Industrial and commercial machinery and computer equipment						
5	Industrial patterns	332997 00					
6	Industrial dies, molds, jigs, and fixtures	325000 74					
7	All other industrial and commercial machinery and computer equipment	330000 60					
8	Sand	212320 05					
	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the						
9	principal materials, etc., included in this value.) γ	009700 99					
		-					
		-					
	TOTAL (Should equal total reported in @ , line A1)	771000 00					

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.

Products Shipped and Other Receipts - Report the quantity and value of each product made and physically shipped during 2007 from this establishment; include products shipped to other plants, sales branches, retail stores, or warehouses of your company and on consignment. Deduct returned goods. Also report the value of services performed at this establishment.

Quantities - Lines 17 through 20, , , and 15 through 16 - Where requested, report the weight of castings before machining. The removal of gates; risers; sprues; and tumbling, dipping, or sandblasting do not constitute machining. Report in **2** the weight of rough castings you produced and machined or assembled into other products in this establishment. The quantity and value of the machined castings or the finished product in which the castings are incorporated should be entered in appropriate columns on lines 35 through 40.

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.

Line - Report heat and/or corrosion resistant steel castings containing eight percent or more of chromium or nickel, or both, with or without molybdenum or other elements.

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 930000 0000.

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 999890 0000, "Resales."

o			Cens	sus product	Unit of		roducts s includ	shipped ing inte	l and c erplant	ther r trans	eceipts ers	з,
Line No.		Products and services		code	measure for quantities		uantity		Value,	f.o.b.	plant	
Ē		1					1	\$ Bil.		1il.	Tho	ou.
	0734		0730		0736	0732		0731				
1	Duc [.] size:	tile iron pressure pipes and iron-fittings, all s	33	1511 1300								
	Othe	er ductile iron castings										
2		Automotive uses	33	1511 3101								
	l r	All other ductile iron castings for all other uses including valve, construction and utility, machinery, electric and electronic equipment										
3		and heat-resistant parts (including coke oven doors)	33	1511 3201								1
	Gray	y iron castings (excluding ductile iron)										_
4	r	Molds and stools for heavy steel ingots	33	1511 E200					-	_		_
5		Cast iron pressure pipe and fittings, all sizes .	33	1511 5100								
6		Cast iron soil pipe and fittings, all sizes	33	1511 7100								
	(Other gray iron castings for rolling mill, construction, utility, automotive and all other uses (<i>Specify kind.</i>)										
7			33	1511 9300								
8	Star	ndard malleable iron castings	337	I511 A100	short tons					1		
		CONTINUE	WITH	🤨 ON PAGE	= 11							

2	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVE	NUE - Continue	d				
		Census product	Unit of	Products inclue	shipped a ling inter	nd other r plant trans	eceipts, fers
	Products and services	code	measure for quantities	Quantity	Va \$ Bil.	alue, f.o.b. Mil.	plant Thou.
	0734	0730	0736	0732	0731		
	Pearlitic malleable iron castings	331511 C300	short tons				
0	Steel investment castings (including carbon, alloy and stainless steel, and hi-temp metal (iron, nickel or cobolt based alloys))	331512 0100					
1	Other carbon steel castings (excluding investment) Cast steel railroad car wheels and railway specialties	331513 1101					
	Other carbon steel castings (excluding investment) <i>(Specify kind.)</i> ≩						
2		331513 1208					
3	High alloy steel castings (excluding investment)	331513 3100					
	Other alloy steel castings (excluding investment)		1				
4	Railway specialties	331513 5101					
5	Rolls for rolling mills	331513 5106	short tons				
	All other alloy steel castings <i>(Specify kind.)</i>					<u> </u>	
6		331513 5111					
7	Aluminum and aluminum-base alloy die-castings .	331521 0100	1000 lb				
8	Nonferrous metal and alloy die-castings (excluding aluminum)	331522 0900					
	Aluminum and aluminum-base alloy castings (excluding die-castings) Aluminum and aluminum-base alloy castings						
	(excluding cast aluminum cooking utensils)		1000 lb				1 1
9	Sand	331524 0101					
20	Permanent and semipermanent mold	331524 0206	+				
21	Investment	331524 0311					
	Other (Specify kind.)						
22		331524 0421					
23	Nonelectric cast aluminum pressure cookers, household type and nonelectric cast aluminum cooking utensils	331524 0416					

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P	Products and services	Census product	Unit of measure for	includ	shipped a ding inter	and other re plant transf	eceipts, iers
Line No.		code	quantities	Quantity	\$ Bil.	alue, f.o.b. Mil.	plant Thou.
	0734	0730	0736	0732	0731		
	Copper and copper-base alloy castings (excluding						
	die-casting) (including sand, leaded red, manganese, aluminum bronzes, and all other						
	copper castings (mold, centrifugal, investment,						
24	etc.))	331525 0300					
	Other nonferrous castings (excluding die-casting) (including nickel and nickel-base alloy, zinc and zinc-base alloy, magnesium and magnesium-base alloy, and all other nonferrous castings) (Specify kind.)						
25		331528 0300			4		
26	Foundry patterns (billed to customers separately) (Include only those patterns whose cost was borne directly by the company for whom the pattern was made, whether delivered to that company or kept in your own plant.)	332997 0101					
		002007 0.0					
27	Receipts for machine shop job work and job order repairs	332710 0100					
28	Metal fittings, flanges, and unions for piping systems (iron, copper, copper alloy brass and bronze)	332919 4401					1
20	bronze)	332913 4401			+		
29	Domestic heating stoves, hearth appliances, and freestanding wood fireplaces (excluding electric and parts)	333414 3100					
30	Clutches, brakes, couplings, shafts, ball joints, sprockets, and sheaves	333613 3801					
31	Parts for mechanical power transmission equipment	333613 3803					
32	Parts for winches for aerial work platforms and automobile hoists (sold separately)	333923 7495					
33	Pistons, piston rings, and piston pins (engine)	336311 3400					
	Developing and making prototypes of missile and space vehicle parts and components for other						1
34	customers	336419 3111					
	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.						
25	-	18					
35		26	<u> </u>		++		
36	·	34			++		
37		<u> </u>	<u> </u>		+	├ ─- ├ ─-	
38		42					
		59			· · · ·	1 1	1.00

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lf n Nu	ot shown, please enter your 11-digit Census File mber (CFN) from the mailing address.										
22	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REV	ENUE	- Continued	ł							
No.	Products and services	Cens	sus product		it of ure for		roducts s includ	ing inte	ers		
Line No.			code		ntities		uantity		1	f.o.b.	
	0734	0730		0736		0732		\$ Bil. 0731		1il.	Thou.
40		67									
	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>)										
41		93(0000 0000								
42	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (<i>The cost of such items should be reported in</i> (, <i>line A2.</i>).	999	9890 0000								
	Miscellaneous receipts										
43	Sales of scrap and refuse	999	9801 3000								
44	Receipts for repair work	999	9806 1000								
45	Other miscellaneous receipts	999	9809 8000								
46	TOTAL (Should equal total reported in 😉)	770	0000 0000								
23	-25 Not Applicable.										

Form MC-33119 (07/10/2007)

m MC-33119 (07/10/2007)				Page 14
SPECIAL INQUIRIES				
A. SELECTED PRODUCTS PRODUCED AND CONSUMED				
 Report below the quantity of each listed item produced in this establishme and used in manufacturing other products made in this establishment. Purchases or receipts of the items specified below should be reported 	ent			
only in 😈.				Quantities
 Materials used to produce the items specified below should be reported in ①. Quantities produced for sale as <u>s</u>uch and not for incorporation in other 		Mark "X" if not performe	d Unit of	produced in this establishment
products should be reported in 2 . • Report quantities in the unit of measure specified.		at this establishmei		and used in manufacturing other products made in this establishment
1. Ferrous foundries	8301		short tons	
2. Nonferrous foundries, excluding die-casting				
a. Aluminum	8302		1000 lb	
b. Copper	8303		1000 lb	
c. Zinc	8304		1000 lb	
d. Other	8305		1000 lb	
3. Nonferrous die-casting foundries	8306		1000 lb	
8308 Yes 8309 No				
CONTINUE WITH 😨 ON PAGE 15				

33119140

	f not shown, please enter your 1 Number (CFN) from the mailing a	1-digit Census File address.					Page 15
 Did this establishment design, engineer, or formulate the manufactured products that it sold, produced, or shipped? Wes No Which of the following best describes this establishment's primary activity? (Mark "X" only ONE box.) Providing contract manufacturing services for others Transforming raw materials or components into new products that this establishment owns or controls Other - Specify 7 Other - Specify 7							
shipped? Out Yes core No 2. Which of the following best describes this establishment's primary activity? (Mark 'X' only ONE box.) core Providing contract manufacturing services for others core Providing contract manufacturing services for others core Providing goods manufactured by others (with or without minor final assembly) core Other - Specify 7 core Sold this establishment purchase contract manufacturing services from other companies or other establishments of your company to process materials or components that this establishment owns or controls? core Yes, primarily with establishments WITHIN the 50 States and the District of Columbia core Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia core No Or CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. the time period covered by this report a calendar year? FROM Year Yes No - Enter time period covered → FROM Year Name of purson to cantact regarding the report Title Internet e-mail address Date Nombh Talephone Area code Number Farea code Number Year	B. OTHER ESTABLISHMENT A	CTIVITIES					
No Which of the following best describes this establishment's primary activity? (Mark 'X' only ONE box) ore Providing contract manufacturing services for others Transforming raw materials or components into new products that this establishment owns or controls Providing goods manufactured by others (with or without minor final assembly) core Other - Specify; Other - Specify; Other - Specify; Providing contract manufacturing services from other companies or other establishments Other - Specify; Other - Specify; Providing contract manufacturing services from other companies or other establishments ore Other - Specify; Other - Specify; Other - Specify; Other - Specify; Providing contract manufacturing services from other companies or other establishments or of yea, primarily with establishments WITHIN the 50 States and the District of Columbia ever No Prosection of the stablishments OUTSIDE of the 50 States and the District of Columbia ever No Prosection of the section of the stablishments OUTSIDE of the 50 States and the District of Columbia ever No Prosection of the section of the secthe section of the section of the section of the section of		esign, engineer, or form	nulate the manufa	actured produc	ts that it sold	, produced, oı	
2. Which of the following best describes this establishment's primary activity? (Mark 'X" only ONE box.) cose Providing contract manufacturing services for others cose Transforming raw materials or components into new products that this establishment owns or controls cose Other · Specify 7 cose Other · Specify 7 cose Yes, primarily with establishments WITHIN the 50 States and the District of Columbia cose No CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. time period covered by this report Tele Take To Take To Take of a raw of the remain address To	0318 🗌 Yes						
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2330 Transforming raw materials or components into new products that this establishment owns or controls 2341 Reselling goods manufactured by others (with or without minor final assembly) 2345 Other - Specify 7 2346 Other - Specify 7 2346 Other - Specify 7 2346 Other - Specify 7 2347 Other - Specify 7 2348 Ves. primarily with establishments or components that this establishment owns or controls? 2348 Yes. primarily with establishments WITHIN the 50 States and the District of Columbia 2470 Not Applicable. MARKS (Please use this space for any explanations that may be essential in understanding your reported data.) OCERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. he time period covered by this report a calendar year? FROM Month Year Yes No - Enter time period covered by this report Title Title Name of person to contar triggering this report Title Intermet e-mail address Date completed Number			·	ry activity? <i>(M</i>	ark "X" only (ONE box.)	
controls coss Reselling goods manufactured by others (with or without minor final assembly) coss Other - Specify 7 coss Other - Specify 7 coss State and the particular services from other companies or other establishments of your company to process materials or components that this establishment owns or controls? coss Yes, primarily with establishments WITHIN the 50 States and the District of Columbia coss No Image: Specify 7 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia coss No Image: Specify 7 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia coss No Image: Specify 7 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia coss No Image: Specify 7 Yes, primarily with establishments that may be essential in understanding your reported data.) Image: Specify 7 To							
Other - Specify 7 Other - Specify 7 Outher - Specify 7 Out		raw materials or compo	onents into new p	products that the the the the the the the the the th	nis establishn	nent owns or	
3. Did this establishment purchase contract manufacturing services from other companies or other establishments of your company to process materials or components that this establishment owns or controls? 0490 Yes, primarily with establishments WITHIN the 50 States and the District of Columbia 0497 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia 0497 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia 0497 No No 0498 No CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. ne time period covered by this report a calendar year? Yes No - Enter time period covered → Yes No - Enter time period covered → Name of person to contact regarding this report Title Telephone Area code Number Extension Fax Date Object Date Completed	0364 🔲 Reselling good	ds manufactured by othe	ers (with or with	out minor final	assembly)		
3. Did this establishment purchase contract manufacturing services from other companies or other establishments of your company to process materials or components that this establishment owns or controls? ause Yes, primarily with establishments WITHIN the 50 States and the District of Columbia ause Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia ause No Not Applicable. MARKS (Please use this space for any explanations that may be essential in understanding your reported data.) CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. he time period covered by this report a calendar year? Yes Yes No Rendament Period Covered by this report a calendar year? FROM Yes Name of person to contact regarding this report Title Area code Number Extension FROM Date Date Date Objected	0365 🗌 Other - Specit	fy 굵					
of your company to process materials or components that this establishment owns or controls? 0490 Yes, primarily with establishments WITHIN the 50 States and the District of Columbia 0497 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia 0498 No Image: Process materials or components that may be essential in understanding your reported data.) Image: Process materials or components that may be essential in understanding your reported data.) Image: Process materials or components that may be essential in understanding your reported data.) Image: Process materials or components that may be essential in understanding your reported data.) Image: Process of the process material process of the pr	0366						
0497 Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia 0498 No 0498 No Orease use this space for any explanations that may be essential in understanding your reported data.) OCERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. he time period covered by this report a calendar year? Yes No - Enter time period covered — FROM Month Year To Month Name of person to contact regarding this report Title Telephone Area code Number Internet e-mail address Date Month Date Date Date Month Date Output Date Internet e-mail address Date	3. Did this establishment pu of your company to proc	urchase contract manufa sess materials or compo	acturing services ments that this e	from other co stablishment o	mpanies or o wns or contro	ther establishi bls?	ments
Organ No Organ Not Applicable. MARKS (Please use this space for any explanations that may be essential in understanding your reported data.) O CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. ne time period covered by this report a calendar year? Month Year Yes No - Enter time period covered → FROM Month Year Name of person to contact regarding this report Title Area code Number Telephone Area code Number Extension Area code Number Internet e-mail address Date completed Month Date completed Month Date completed	0496 🗌 Yes, primarily	with establishments Wl	ITHIN the 50 Stat	es and the Dis	trict of Colum	ibia	
Not Applicable. MARKS (Please use this space for any explanations that may be essential in understanding your reported data.) CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. terms period covered by this report a calendar year? Yes No - Enter time period covered FROM FROM Month Year TO Month Year TO Area code Number Telephone Area code Number Extension Fax Area code Number Fax Month Day Year Date completed Month Day Year	0497 🗌 Yes, primarily	with establishments OL	JTSIDE of the 50	States and the	District of C	olumbia	
EMARKS (Please use this space for any explanations that may be essential in understanding your reported data.) CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. he time period covered by this report a calendar year? Yes No - Enter time period covered	0498 🔲 No						
CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions. he time period covered by this report a calendar year? Month Year Month Year Yes No - Enter time period covered → FROM TO TO Image: Completed in the instructions. Name of person to contact regarding this report Title Title Image: Completed in the instruction instructio	-29 Not Applicable.						
the time period covered by this report a calendar year? Yes No - Enter time period covered Name of person to contact regarding this report Title Area code Number Extension Fax Area code Number Extension Fax Month Yes Month Yes No - Enter time period covered FROM Year To Month Year Month Year Month Year Month Year Month Year Month Year To Month Year To Month Year Area code Number Extension Fax Area code Number Fax Month Year To Month Year To Month Year To Area code Number Fax Area code Number To <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
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Area code Number Extension Telephone - Internet e-mail address -		-		1onth Year	то	Month	Year
Telephone - Internet e-mail address - Month Day Year		this report	Title				
Telephone - Internet e-mail address - Date completed Month Day Year		-					
Date completed							
Thank you for completing your 2007 ECONOMIC CENSUS form.	Name of person to contact regarding Area code	Number	Extension	_	Area code	Number	
	Name of person to contact regarding Telephone Area code	Number	Extension	Fax Date	Mor	-	Year