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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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."

**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.

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	Thou-	Dollars
	Millions	sands				
<b>1</b>	FABRICATED METAL PRODUCTS (Except castings and forgings)	Bolts, nuts, rivets, screws, and screw machine products	345001 2	\$		
<b>2</b>		Other fabricated metal products, excluding forgings	340098 3			
<b>3</b>	Castings (rough and semifinished)		330091 0			
<b>4</b>	Forgings		346000 3			
<b>5</b>	<b>Shapes and Forms (Except castings, forgings, and fabricated metal products)</b>	STEEL	Bars, bar shapes, and plate	331007 5		
<b>6</b>			Concrete reinforcing bars	331009 1		
<b>7</b>			Sheet and strip	331022 4		
<b>8</b>			Structural shapes	331071 1		
<b>9</b>			All other steel shapes and forms	331037 2		
<b>10</b>		Copper and copper-base alloy	335105 3			
<b>11</b>		ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8		
<b>12</b>			Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	335405 7		
<b>13</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>14</b>	All other nonferrous shapes and forms		335099 8			
<b>15</b>	Iron and steel scrap (excluding home scrap)		190023 2			
<b>16</b>	Paints, varnishes, lacquers, shellacs, japans, enamels, and allied products		285101 2			

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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
17	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	\$		
18	<b>TOTAL</b> Sum of lines 1-17 should equal item 10, line a		\$		

**Item 18A – Not applicable to this report**

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

**INSTRUCTIONS**

- 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 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.
- 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.
- 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  <b>(A)</b>			Census product code  <b>(B)</b>	Products shipped and other receipts		
					Value, f.o.b. plant <b>(E)</b>		
					584 Millions	Thou- sands	Dollars
1	<b>Grilles, Registers, and Air Diffusers (34461)</b>	WARM AIR OR AIR-CONDITIONING GRILLES AND REGISTERS	Iron and steel	34461 10 3	\$		
2			Aluminum	34461 12 9			
3		OTHER GRILLES (Including open mesh partitions)	Iron and steel	34461 15 2			
4			Aluminum	34461 17 8			
5	<b>Stairs, Railings, Fences, and Gates (Other than wire) (34462)</b>	STAIRS, STAIRCASES, AND FIRE ESCAPES	Iron and steel	34462 10 1			
6			Aluminum	34462 12 7			
7		FENCES AND GATES (Other than wire)	Iron and steel	34462 20 0			
8			Aluminum	34462 22 6			
9		Railings and window guards; iron, steel, and aluminum		34462 26 7			

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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		
10	<b>Open Flooring, Grating, and Studs (34463)</b>	OPEN FLOORING AND GRATING FOR BUILDING CONSTRUCTION	Iron and steel	34463 10 9	\$			
11			Aluminum	34463 12 5				
12			Nonload bearing studs (iron, steel, and aluminum)	34463 20 8				
13			Load bearing studs (iron, steel, and aluminum)	34463 22 4				
14	<b>SCAFFOLDING (34464)</b>	Suspended scaffolding (including midpoint, two-point, multilevel, suspended, boatswain chairs, etc.) (iron, steel, and aluminum)		34464 10 7				
15		Access scaffolding (including tube and coupler, system, prefabricated mobile scaffolds, etc.) (iron, steel, and aluminum)		34464 13 1				
16		Shoring (including flying forms, postshores, ellis clamps, reshores, etc.) (iron, steel, and aluminum)		34464 16 4				
17		Forming (including modular, prefabricated, custom design, etc.) (iron, steel, aluminum, and all other material-metal combinations)		34464 18 0				
18	<b>OTHER ARCHITECTURAL AND ORNAMENTAL WORK (34465)</b>	Iron and steel		34465 10 4				
19		Aluminum		34465 12 0				
20		Other than iron, steel, and aluminum		34465 30 2				
21	<b>PRE-FABRICATED METAL BUILDING SYSTEMS (Excluding farm service buildings, residential buildings, and parts for prefabricated buildings) (34481)</b>	Industrial and commercial		34481 15 0				
22		Institutional, medical, and religious		34481 17 6				
23		Public and educational		34481 18 4				
24	<b>Other Pre-fabricated and Portable Metal Buildings and Parts (34482)</b>	Grain storage buildings (including farm and commercial types), steel and aluminum		34482 14 1				
25		Other farm service buildings (livestock shelters, machinery storage, etc.), excluding wood frame buildings, steel and aluminum		34482 15 8				
26		Greenhouses, steel and aluminum		34482 11 7				
27		Dwellings, steel and aluminum (including vacation homes and camps)		34482 18 2				
28		<b>SMALL UTILITY BUILDINGS (Including tool sheds, cabanas, storage houses, etc.)</b>	Steel		34482 16 6			
29			Aluminum		34482 26 5			
30		<b>OTHER (Including garages, etc.)</b>	Steel		34482 17 4			
31			Aluminum		34482 27 3			
32		Panels, parts, or sections for prefabricated buildings, not sold as a complete unit (including sandwich and face panels), steel and aluminum		34482 54 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>		
				584 Millions	Thou- sands	Dollars
<b>33</b>	<b>Fabricated Bar Joists and Concrete Reinforcing Bars (34494)</b>	FABRICATED BAR JOISTS Long span	34494 47 6	\$		
<b>34</b>		Short span (open-web)	34494 43 5			
<b>35</b>		Fabricated concrete reinforcing bars	34494 52 6			
<b>36</b>	<b>METAL PLASTER BASES (34496)</b>	Expanded metal lath	34496 11 7			
<b>37</b>		Metal plaster base accessories (including corner beads, screeds, grounds, etc.)	34496 32 3			
<b>38</b>	<b>CURTAIN WALL (34497)</b>	Steel (including stainless)	34497 73 5			
<b>39</b>		Aluminum	34497 75 0			
<b>40</b>		All other (including combination of metals)	34497 79 2			
<b>41</b>	<b>CUSTOM ROLL FORMED PRODUCTS (34498)</b>	Carbon steel	34498 11 3			
<b>42</b>		Stainless steel	34498 13 9			
<b>43</b>		Aluminum	34498 15 4			
<b>44</b>		Other metals	34498 17 0			
<b>45</b>	<b>Fabricated Structural Metal for Buildings</b>	IRON AND STEEL	Industrial	34411 41 3		
<b>46</b>			Commercial	34411 42 1		
<b>47</b>	Weldments and fabricated steel plate for purposes other than pipe, penstocks, tunnel lining, stacks, bleaching, and shielding for use in nuclear reactor buildings		34432 99 7			
<b>48</b>	Steel sheet metal work (except cornices, skylights, ceiling domes, copings, gravel stops, roof ventilators, bins, and vats)		34449 62 9			
<b>49</b>	Metal roofing, steel, all types		34444 11 7			
<b>50</b>	Welded steel wire fabrics (including concrete reinforcing mesh)		34968 63 6			
<b>51</b>	<b>ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT</b>	<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			
<b>52</b>			26			
<b>53</b>			34			
<b>54</b>			42			
<b>55</b>			59			
<b>56</b>			67			
<b>57</b>	<b>CONTRACT WORK</b>	Receipts for work done for others on their own materials . . . . . <i>Describe below products worked on and kind of work.</i>	93000 00 8			

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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
58	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8	\$		
59		Receipts for research and developmental work	99980 41 9			
60		Other miscellaneous receipts (including receipts for repair work, etc.)	99980 98 9			
61	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			
62	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1–61, 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	