

NFPA No.

901

UNIFORM CODING FOR FIRE PROTECTION 1973



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Official NFPA Definitions

Adopted Jan. 23, 1964; Revised Dec. 9, 1969. Where variances to these definitions are found, efforts to eliminate such conflicts are in process.

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Uniform Coding for Fire Protection

NFPA No. 901 — 1973

1973 Edition of No. 901

This 1973 edition of NFPA No. 901 was officially adopted May 17, 1973 at the Annual Meeting of the National Fire Protection Association held in St. Louis, Mo. and incorporates changes recommended by the Committee on Fire Reporting. This edition supersedes the 1971 edition.

Origin and Development of No. 901

The lack of a uniform system of fire reporting has long been recognized as a hindrance to the fruitful direction of fire protection efforts. Unless we know just what the problem is, we are certainly not going to solve it. As was said in 1953 in the introduction to No. 3, now supplanted by No. 901, "The absence of accurate and detailed statistics on fire casualties has hindered attempts by educational and other means to reduce the number of deaths and injuries from fire."

From time to time suggestions have been made with respect to fire reporting, and in 1938 a system prepared by NFPA was published by the International City Managers' Association. The first committee work on the problem was undertaken in 1951 by the Committee on Fire Casualty Statistics, and their report was officially adopted as NFPA No. 3 on May 21, 1953.

As No. 3 had limited scope, the NFPA Board of Directors, in 1961, following two years of surveying the need, called a national conference on fire reporting. On the recommendation of this conference, an NFPA committee of fire service representatives, state, federal, and Canadian fire officials, and insurance company statisticians and engineers was formed to devise a uniform and useful system of fire reporting, adaptable to the needs of reporting agencies in the United States and Canada. The committee's organizational meeting was in February, 1963.

(Continued on page 2)

Tentative standards on Definitions (901T), Property Classification (902T), Ignition Classification (903T), Property Inventory (904T), and Fire Report (905T) were adopted by Annual Meetings subsequent to 1963. Comments from various individuals, associations, and fire departments on these tentative standards have been received and given careful attention by the committee. These comments have led the committee to believe that the various tentative standards are so intertwined that they should be under one cover, as one overall coding system for Fire Reporting. This system is given the designation NFPA No. 901.

{

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Uniform Coding for Fire Protection

NFPA No. 901 — 1973

Introduction — Definitions

The system of fire reporting as submitted herewith is a complex one, as it has to be if it is to cover all angles of the problem. However, it is so designed that details may be omitted entirely and still tell the chief part of the story if the policy of the reporting agency so dictates. For instance, in the property classification, Chapter B and Appendix A, it might be desirable to know whether a one-family dwelling is for year-round use (code 411) or for seasonal use (codes 412 and 413); but if such information seems of lesser importance to the reporting agency, the heading "Dwelling, one- and two-family" (code 41) is sufficient to describe a fire in this occupancy.

The reasons for a uniform system of fire reporting are as follows:

1. It is only through a uniform system that a dependable body of facts bearing on the fire protection problem can be developed. To take the example above, some reporting agencies do not separate out dwellings from other types of "homes" or "residences," or even from buildings as a whole. Or they may define "dwelling" differently from the way it is defined in Appendix A. This obviously makes it impossible to assemble reliable statistics, or to know exactly what we mean when we use the term "dwelling" or to quote fire facts regarding these particular buildings.

2. It is only through a uniform system that we can obtain the data necessary for a knowledgeable and economical attack on the fire problem. Again to take dwellings, the most pressing fire problem is to reduce the high loss of life from fire in these buildings. By using a uniform language, it will be possible to pinpoint the trouble areas and hazards, and then to concentrate our efforts in these specific areas and these specific hazards.

As suggested above, a basic necessity is to have uniformity in definition of terms.

1. Purpose of Definitions

11. The definitions given in this standard provide a common language for recording information about fire department incidents.

2. Fire Definitions

21. Fire

211. Fire is any instance of destructive and uncontrolled burning, including scorch burns and explosions of combustible solids, liquids, or gases.

212. Fire does not include the following, except where they cause fire or occur as a consequence of fire:

- (a) Lightning or electrical discharge.
- (b) Explosion of steam boilers, hot water tanks, or other pressure vessels, due to internal pressure and not to internal combustion.
- (c) Explosions of ammunition or other detonating materials.
- (d) Accidents involving ships, aircraft or other vehicles.

22. Reportable Fire

221. Any fire coming to the attention of an agency keeping fire records. Included are fires or explosions that may be discovered in progress, discovered following extinguishment, or detected later during an inspection. A fire report is to be filed on any reportable fire.

23. Exposure Fire

231. A fire which occurs as a direct consequence of a fire originating outside the building in question, either in another building or in outside property.

NOTE: Where fire involves more than one building, each building fire shall be considered a separate fire, with all but the original building involved classified as exposure fire. If the building fire ignites a truck parked nearby but outside the building, the truck fire is an exposure fire. If the truck was parked inside the building, it is considered as contents rather than a separate exposure fire.

3. Casualty Definitions

31. See Chapter M for definitions of incident casualty and of fire casualty (page 901-85)

4. General Definitions

41. Property (Chapters A and B)

411. OCCUPANCY. The use of property.

412. VACANT PROPERTY, OR NO OCCUPANCY. Property without contents.

413. COMPLEX. A multiuse property having three or more chief occupancies. See Chapter A for specific definitions.

42. Property Inventory. What is known about a property before the ignition is called the property inventory. This knowledge is in two parts: that which is general in character and has to do with external features such as location, water supply and construction; and that which is specific in character relating to internal features. This property inventory can aid the fire marshal, training officer and chief tactical officers as well as others in preignition planning.

43. Ignition Classification (Chapters F-J)

431. THE HEAT OF IGNITION. The heat energy which brings about ignition. Heat energy comes in various forms and usually from a specific object or source. Therefore, the heat of ignition is divided into two parts: "equipment involved in ignition," and "form of heat of ignition."

432. THE MATERIAL IGNITED. The combustible which is first set on fire by the heat of ignition. The material ignited may be in many forms, depending on its use (i.e. wallpaper): and may be made of several types of material (i.e. paper, fabric, oil cloth, plastic). To reveal this difference, the list of materials ignited is divided into two parts: "type of material ignited," and "form of material ignited."

433. ACT OR OMISSION. When a heat source contacts or comes close to material which then ignites, creating a fire, usually someone has done something (an act), or failed to do something (an omission). This act or omission is sometimes known as the "human element."

434. FIXED OBJECT. An object, device, or appliance which is fastened or secured at a specific location, e.g. a radiator.

435. PORTABLE OBJECT. An object, device or appliance that can readily be moved from one place to another, e.g. a vacuum cleaner.

436. STATIONARY OBJECT. An object, device or appliance which is not fastened, but which is not readily moved from one place to another in normal use, e.g., a refrigerator.

437. GAS. A fluid material which has a vapor pressure exceeding 40 psia at 100°F. Gasoline, which is always spelled out in this standard, is a liquid, not a gas.

438. LIQUID. A fluid material which has a vapor pressure not exceeding 40 psia at 100°F.

44. Fire Report

441. The fire report is the legal record of a fire department

incident. This report includes information on the time of the incident, response to it, the action taken, the details of the fire, if any, and damage or casualties resulting from the incident.

442. INCIDENT. The movement of a piece of fire department apparatus or equipment in response to an alarm.

443. ALARM. The notification of the fire department that a situation exists or may exist which requires a response.

444. TYPES OF ALARM. An alarm may be for fire, some other actual or potential peril, rescue, smoke scare, or a malicious purpose (false alarm).

445. SMOKE SCARE. Scorching of food or other material with slight damage and little open flame. A frozen pulley bearing which causes a fan belt to slip and smoke would be an example. These smoke scares are sometimes known as "nonhostile fires."

Chapter A. Property Complex

A1. Purpose

A grease duct fire in a restaurant in a hotel, or an explosion in a chemical laboratory of a university presents a challenge to fire reporting. The fire service needs clear information to converse with management of these facilities.

Obviously in the first case if "hotel" data are collected, then "restaurant" data are lost. In the second example, if "laboratory" data are collected, then "university" data are lost.

To capture data on fires in multi-use property arrangements under one management, a "property complex" code was developed.

A2. Definition

A21. A property meeting *all three* of the following criteria is a *property complex*.

1. a. a single building containing three or more specific property uses listed in "Fixed Property Use Classification" list of Chapter B.

or

- b. more than one building of the same or different property classifications as listed in "Fixed Property Use Classification" list of Chapter B.

and

2. located within a continuous boundary

and

3. operated under one business management or ownership.

A3. Only the following 21 "property complex" categories are intended to be reported. These are the principal complexes actually found in the field. All fires on one and two family dwelling property (garage, tent, fence, etc.) will carry the dwelling complex code.

Airport Complex	97	Marina, Waterfront Complex ..	94
Amusement Park, Zoo Complex ..	11	Military Reservation,	
Apartment Complex	42	Defense Complex	63
Business/Residential Complex..	40	Mobile Home Complex	47
Club Complex	14	Motel Complex	45
Dwelling Complex		Office, Government Complex ..	59
(one and two family)	41	Prison Complex	34
Educational Complex	20	Railroad Transport Complex	95
Farm Complex	65	Shopping Center, Department	
Hospital, Medical Center		Store, Discount Complex	58
Mental Institution Complex..	33	Stadium, Park, Exhibition	
Hotel Complex	44	Hall Complex	12
Industrial Plant, Manufac-		Warehouse, Storage Complex ..	80
turing Complex	70		

A4. If other property complexes meeting the definition in paragraph A2 are identified, they may be indicated by Code 99, if specified in detail.

A5. Examples:

Using Chapter A "Property Complex" and "Fixed Property Use Classification" codes of Chapter B for the following examples are:

A51. A fire in a clothing store of a shopping center 58-521

A52. A university chapel fire 20-131

A53. A fire in an apartment in a project of four apartment houses each containing over 20 units 42-424

A54. An explosion in the nurses' quarters of a medical center 33-463

A55. Codes for all the properties in a single hotel building which contains a garage, clothing store, barber shop, ballroom, exhibition hall, restaurant, night club, individual guest rooms are respectively: 44-882, 44-521, 44-557, 44-121, 44-122, 44-161, 44-162, 44-441

Chapter B. Property Use Classification Lists

B1. Fixed vs. Mobile Property

B11. Property can be divided into that which is relatively fixed, i.e. buildings, bridges, and parking lots; and that which is designed to be mobile, i.e., cars, planes, ships. Chapter B is thus divided into two parts: Fixed Property Use Classification, and Mobile Property Use Classification.

B2. Alphabetical and Logical Lists

B21. The fixed property use classification list that follows in Section B5 is alphabetical. A logical breakdown of the classification is given in Appendix A. This latter breakdown follows in broad outline the Life Safety Code, NFPA No. 101.

B22. The major divisions of the fixed property use classification are:

1. Public Assembly Property
2. Educational Property
3. Institutional Property
4. Residential Property

5. Store and Office Property
6. Basic Industry, Utility, Defense Property
7. Manufacturing Property
8. Storage Property.
9. Special Property

B23. The mobile property use classification list that follows in Section B6 is alphabetical. A logical breakdown of the classification is given in Appendix B. This latter breakdown separates vehicles into the following broad outline.

B24. The main headings of the mobile property use classification are:

1. Road Transport Vehicles — Passenger
2. Road Transport Vehicles — Freight
3. Rail Transport Vehicles
4. Water Transport Vessels
5. Air Transport Vehicles
6. Heavy Equipment
7. Special Vehicles

B3. Purpose of the Fixed Property Use Classification List

B31. The purpose of the list is to provide a simple and uniform system for the classification of property use. This list is for the use of the property only, other important details about the property, such as the ownership, the size, the weaknesses in fire defense or the construction may be found elsewhere.

B32. The list may be valuable in preparing a pre-fire inventory, in identification for license or inspection purposes, and in reporting and analyzing fire experience.

B4. Organization of Fixed Property Use Classification List

B41. The nine major divisions or main headings are listed on the previous page. Each major division is subdivided into divisions (second digit) and each division into subdivisions (third digit of code). There are 68 divisions and 388 subdivisions, omitting miscellaneous and unknown categories.

B42. In divisions and subdivisions the final digit 9 has been reserved throughout for miscellaneous property uses — those “not elsewhere classified.” For example, 169 indicates a public assembly property of the “eating or drinking place” type, but “not elsewhere classified.”

B43. The final digit 0 has been reserved throughout this standard for reports where “insufficient information given to classify further.” For example, 100 indicates a public assembly property of an undetermined type.

B5. Alphabetical List of Fixed Property Uses.

B51. The alphabetical list of fixed property use classification follows:

711 Abattoir	721 Alcohol, industrial distilling
687 Abrasives plant	721 Alcohol plant
742 Academic robe mfg	846 Alcoholic beverage stge
221 Academy, boarding	723 Ale mfg
142 Academy, riding	846 Ale storage
761 Acetylene gas mfg	715 Alfalfa mill
761 Acid plant	761 Alkali mfg
763 Acrilan fiber mfg	111 Alley, bowling
776 Adding machine mfg	758 Almanac, publishing, printing
595 Addressing firm	524 Alteration shop, garment
765 Adhesive mfg, not synthetic resin	772 Aluminum casting
764 Adhesives, mfg, synthetic resin	773 Aluminum, hollow ware, mfg
591 Administrative office	772 Aluminum, refining, etc
799 Advertising display mfg	773 Aluminum, stamping
754 Advertising sign mfg	772 Aluminum, wire drawing
774 Aerial cableway mfg	784 Ambulance mfg, assembly
928 Aerial tramway	761 Ammonia synthesis
791 Aeronautical instrument mfg	761 Ammonium nitrate plant
311 Aged persons home, w/nursing	864 Ammonium nitrate storage
312 Aged persons home, w/o nursing	762 Ammunition mfg
773 Agricultural fork mfg	552 Ammunition sales
626 Agricultural laboratory	123 Amphitheater
774 Agricultural machine mfg, non-elec	113 Amusement hall, place, booth
812 Agricultural products, boxed	942 Anchorage
813 Agricultural products, loose	773 Anchor mfg
818 Agricultural supply storage	791 Anesthetic machine mfg
774 Agricultural tractor mfg	556 Animal care center
774 Air compressor mfg	833 Animal feed storage, processed
774 Air condition mchry, mfg	813 Animal feed storage, un-processed
776 Air conditioner mfg, unit type	719 Animal food preparing, mfg
591 Air force office	715 Animal food, stock dry feed
925 Air raid shelter	556 Animal hospital
761 Air reduction	719 Animal medicine, preparing
773 Air rifle mfg	726 Animal oil refinery, nonedible
786 Aircraft assembly	726 Animal oil rendering, non-edible
894 Aircraft freight terminal	556 Animal shop, supplies
886 Aircraft hangar	663 Animal, trapping, hunting
786 Aircraft mfg repair	531 Antique shop
173 Airline limousine terminal	421 Apartment, 1-2 units
786 Airplane mfg, assembly, repair	422 Apartment, 3-6 units
841 Airport bulk plant	423 Apartment, 7-20 units
913 Airport, constr, repair	424 Apartment, over 20 units
632 Airport control tower	654 Apiary
914 Airport, demolition	655 Apple growing
841 Airport, gasoline, distributing	776 Appliance assembling, elec
171 Airport passenger terminal	776 Appliance repair, elec w/mfg
721 Alcohol beverage distillery	532 Appliance repair, elec w/sales
	538 Appliance repair, shop w/o sales

- | | |
|---|---|
| 532 Appliance store | 573 Auto paint shop |
| 742 Apron mfg | 873 Auto parts storage |
| 913 Aqueduct, constr, repair | 877 Auto salvage, junk yard |
| 914 Aqueduct, demolition | 573 Auto seat cover shop |
| 594 Architect office | 573 Auto specialty repair shop |
| 123 Arena, sports | 575 Auto supply store |
| 761 Argon gas mfg | 877 Auto wrecking |
| 591 Armed forces office | 161 Automat |
| 784 Armored car mfg, assembly | 795 Automatic piano mfg |
| 122 Armory hall | 784 Automobile assembly plant |
| 582 Army and navy store | 571 Automobile filling station |
| 591 Army office | 883 Automobile lot |
| 677 Arsenic, mining, quarrying | 784 Automobile mfg, assembly |
| 779 Arsenic, processing | 784 Automobile parts mfg |
| 152 Art gallery, incl sales | 573 Automobile repair shop |
| 233 Art school | 574 Automobile salesroom |
| 563 Art supply sales | 575 Automobile tire store |
| 761 Artificial color mfg, food | 573 Automobile top shop |
| 742 Artificial flower mfg | 573 Automotive muffler shop |
| 738 Artificial leather mfg | 231 Automotive school |
| 791 Artificial limb mfg | 925 Awning, canopy |
| 761 Artificial manure mfg | 743 Awning mfg |
| 799 Artist brush mfg | 526 Awning store |
| 765 Artist color mfg | 773 Axe mfg |
| 799 Artist material mfg, excl paint | 785 Axle mfg, cycle |
| 765 Artist paint mfg | 784 Axle mfg, motor vehicle |
| 563 Artist supply sales | |
| 688 Asbestos concrete product mfg | 743 Baby blanket mfg |
| 688 Asbestos fiber working | 787 Baby carriage mfg |
| 678 Asbestos, mining, quarrying | 742 Baby clothes mfg |
| 688 Asbestos products plant | 713 Baby food mfg, homogenized |
| 768 Asphalt impregnated paper mfg | 712 Baby food mfg, with milk base |
| | 711 Bacon curing |
| 678 Asphalt, mining, quarrying | 799 Badge mfg |
| 768 Asphalt plant, mfg | 773 Bag clasp mfg, base metal |
| 774 Asphalt road machine mfg | 743 Bag mfg, burlap |
| 591 Association office | 746 Bag mfg, leather |
| 742 Athletic clothing mfg | 754 Bagatelle board mfg |
| 141 Athletic club, w/o sleeping | 892 Bagged mineral prod stge |
| Athletic club, w/sleeping | 737 Bagging cord plant |
| See apartment. | 716 Bakery |
| 424 Athletic club, w/sleeping over 20 units | 513 Bakery, sales |
| 913 Athletic field constr, repair | 719 Baking powder mfg |
| 914 Athletic field, demolition | 747 Balata products mfg |
| 798 Athletic goods mfg | 821 Bale storage, cotton |
| 758 Atlas mfg | 824 Bale storage, jute, hemp, sisal fiber |
| 611 Atomic fission, fusion materials mfg | 823 Bale storage, silk, synthetic fiber |
| 531 Auction house | 822 Bale storage, wool, worsted |
| 182 Auditorium | 812 Baled hay, outside |
| 591 Auditors office | 855 Baled paper stge |
| 784 Auto accessory mfg | 774 Ball bearing mfg |
| 575 Auto accessory sales | 747 Ball mfg, rubber or synthetic |
| 873 Auto accessory storage | 123 Ball park |
| 573 Auto body repairing | 799 Ballpoint pen mfg |

121	Ballroom	846	Beverage storage, alcoholic
752	Bamboo products mfg	832	Beverage storage, soft
754	Bank furniture mfg	514	Beverage store
758	Banknote printing	785	Bicycle assembly and repair
592	Banks	552	Bicycle sales and repair
592	Banks, branch office	871	Billet storage
743	Banner mfg	112	Billiard center
163	Bar, alcoholic beverage	754	Billiard table mfg
754	Bar furniture mfg	774	Binder machine mfg
557	Barber shop	758	Binder mfg, paper, cardboard
561	Barber supplies, store	758	Bindery, book
781	Barge, building, repairing	113	Bingo hall
715	Barley, milling, rolling	792	Binocular mfg
815	Barn	621	Biological laboratory
464	Barrack	719	Birdseed mixing
752	Barrel plant	716	Biscuit mfg
751	Barrel stave mfg	674	Bituminous sand operation
751	Barrelhead mfg	773	Blacksmith shop
677	Barytes, mining, quarrying	758	Blank book mfg
761	Barytes, processing	776	Blanket mfg, elec
773	Base metal, cold pressing, etc	743	Blanket mfg, nonelec
752	Basket mfg	771	Blast furnace
686	Batch plant, concrete or cement	762	Blasting agent mfg
116	Bathhouse	761	Bleach mfg
116	Bathing beach	123	Bleachers, for seating
747	Bathing cap mfg	735	Bleaching plant
771	Bathtub mfg, cast iron	726	Blended table oil mfg
747	Battery case mfg	776	Blender mfg, elec, kitchen
776	Battery mfg	754	Blind mfg, venetian, nonwood
739	Batting mill	751	Blind mfg, wood
673	Bauxite mine, quarry	333	Blind persons institution
772	Bauxite processing	662	Blocks, wood, rough cutting
773	Bayonet mfg	742	Blouse mfg
142	Beach club	595	Blueprint firm
715	Bean, grinding, splitting	311	Boarding care home, aged w/nursing
811	Bean storage, bulk	312	Boarding care home, aged w/o nursing
774	Bearing mfg, roller, ball, needle	322	Boarding care home, children
557	Beauty shop	332	Boarding care home, nonaged convalescent
754	Bedding plant	431	Boarding house, 4-8 roomers
743	Bedsprad mfg	432	Boarding house, 9-15 roomers
654	Bee raising	441	Boarding house, over 15 roomers, yr rd
723	Beer mfg	221	Boarding school classroom bldg
163	Beer parlor	576	Boat accessory sales
846	Beer stge	782	Boat mfg
742	Belt mfg, excl leather	885	Boat mooring, fueling, docking
746	Belt mfg, leather	782	Boat repair, no sales
744	Belting leather tannery	576	Boat sales
747	Belting mfg, rubber or synthetic	885	Boat storage
744	Belting plant, canvas	885	Boathouse
732	Belting plant, cloth	143	Boating club
767	Benzene mfg	782	Boatyard, vessels 65 ft and under
141	Bet taking shop	753	Bobbin mfg
723	Beverage mfg, beer	785	Body mfg, cycle
724	Beverage mfg, nonalcoholic		
721	Beverage mfg, spirits		
722	Beverage mfg, wine		

784	Body mfg, motor vehicle	737	Braided cord mfg
573	Body repair shop, motor vehicle	688	Brake lining mfg
672	Bog ore mining, quarrying	785	Brake mfg, cycle
717	Boiled sweets mfg	784	Brake mfg, motor vehicle
688	Boiler gasket mfg	721	Brandy mfg
646	Boiler house	773	Brass hollow ware
771	Boiler mfg, cast iron	772	Brass, refining, etc
781	Boiler mfg, marine	773	Brass, stamping
688	Boiler packing mfg, asbestos	772	Brass wire drawing
774	Boilerhouse machine mfg	742	Brassiere mfg
773	Bolt mfg, metal	716	Bread mfg
662	Bolt, wood, hewing, rough cutting	715	Breakfast food mfg
773	Bomb case mfg	723	Brewery
762	Bomb filling	682	Brick, glass mfg
925	Bomb shelter	681	Brick, heat-resisting mfg
726	Bone oil, refining	774	Brick making machine mfg
799	Bone products mfg	681	Brick plant, nonglass
719	Bone scraping, crushing	921	Bridge
758	Book, bronzing, gilding, edging	913	Bridge, constr, repair
758	Book mfg, blank	914	Bridge, demolition
758	Book, publishing, printing	676	Brine pit
758	Book repair	768	Briquette mfg
541	Book store, new, used	895	Briquette stge
758	Bookbinding	773	Bronze hollow ware
774	Bookbinding machine mfg	772	Bronze, refining, etc
141	Bookmaker place, gambling	773	Bronze stamping
774	Boot machry, mfg	772	Bronze wire drawing
741	Boot mfg, excl. vulcanized rubber	799	Broom mfg
747	Boot mfg, vulcanized rubber	799	Brush mfg
523	Boot repair	931	Brush growth, outdoors
753	Boot tree mfg	773	Bucket mfg, metal
523	Bootblack stand	752	Bucket mfg, wood
732	Bootlace mfg, braided cotton	773	Buckle mfg, base metal
733	Bootlace mfg, braided wool	794	Buckle mfg, precious metal
734	Bootlace mfg, braided, mixed fibers	851	Builders supply warehouse
677	Borate minerals, mining, quarrying	915	Building condemned
761	Borate minerals, processing	688	Building face stone works
774	Boring machine mfg	751	Building mfg, portable wooden
756	Bottle cap, seal mfg	755	Building paper mfg, fiber
683	Bottle plant	751	Building products mfg, wood
683	Bottle stopper, glass mfg	555	Building supply store
774	Bottling mchry, mfg	911	Building under construction
724	Bottling plant	912	Building under demolition
753	Bowl mfg, wood	918	Building under renovation
111	Bowling establishment	843	Bulk LP-gas plant
552	Bowling shop	841	Bulk plant, petroleum
773	Box mfg, metal	774	Bulldozer mfg
756	Box mfg, paper	752	Bung mfg
752	Box mfg, wood	466	Bunkhouse
742	Brace suspender mfg	753	Buoy mfg, cork
732	Braid mfg, cotton	743	Burlap bag mfg
734	Braid mfg, mixed fibers	824	Burlap storage, bales, bags
733	Braid mfg, wool or worsted	784	Bus mfg, assembly
		883	Bus parking
		574	Bus sales
		173	Bus terminal
		232	Business school, commercial
		712	Butter mfg

835	Butter stge	536	Carpet store
799	Button mfg	516	Carry-out food store
116	Cabana	756	Carton mfg
451	Cabin, tourist	855	Carton stge
754	Cabinet shop	762	Cartridge filling
774	Cable car mfg	762	Cartridge works
776	Cable mfg, insulated, elec	773	Carving fork, knife mfg
634	Cable, telephone, telegraph	773	Casement window mfg, metal
634	Cable, terminal, telephone	773	Cash box mfg
161	Cafe	776	Cash register mfg
161	Cafeteria	752	Cask head mfg
122	Cage, athletic practice	752	Cask mfg
716	Cake mfg	753	Casket mfg
719	Cake mix mfg	852	Casket storage and display
776	Calculating machine mfg	771	Cast iron products mfg
792	Camera equipment plant	726	Castor oil, refining
792	Camera mfg	584	Catalogue store
553	Camera store	776	Cathode ray tube mfg
473	Camping trailer, collapsible	652	Cattle raising
773	Can mfg, metal	776	Ceiling fixture mfg, elec
794	Canadian royal mint	341	Cell block, prison, men
726	Candle mfg	925	Cellar, cyclone
726	Candle plant	762	Cellulose nitrate plastic fabricating
717	Candy mfg	762	Cellulose nitrate plastic mfg
513	Candy shop	762	Cellulose nitrate plastic re-claiming
752	Cane, container mfg	685	Cement mill, plant
752	Cane products mfg	892	Cement stge
713	Cannery, fruit, vegetable	591	Central forces office
714	Cannery, sea food	675	Ceramic clay, extraction from earth
744	Canvas belting plant	716	Cereal filler mfg
743	Canvas goods mfg	715	Cereal plant
526	Canvas goods store	773	Chain mfg, metal w/o rollers
826	Canvas storage	774	Chain mfg, metal w/rollers
742	Cap or hat mfg	928	Chair lift
591	Capitol building	754	Chair mfg, any material
774	Capstan mfg	675	Chalk, extraction from earth
887	Car house	688	Chalk product mfg
578	Car washing	942	Channel
717	Caramel mfg	131	Chapel
768	Carbon black plant	661	Charcoal burning, in forest
895	Carbon black stge	768	Charcoal mfg
768	Carbon mfg	768	Charcoal processing
799	Carbon paper plant	895	Charcoal stge
687	Carborundum wheels mfg	784	Chassis mfg, motor vehicle
784	Carburetor mfg, motor vehicle	798	Checkerboard mfg
774	Card can mfg, for textile machine	712	Cheese factory, natural, processed
756	Card mfg, index	742	Chefs clothing mfg
774	Cardboard box machine mfg	621	Chemical laboratory
756	Cardboard box or file mfg	761	Chemical mfg, general
562	Carpenter equipment sales	677	Chemical mining
916	Carpenter shed	761	Chemical salts mfg
796	Carpet, cleaning, dyeing	861	Chemical storage, basic industrial
732	Carpet, rug mfg, cotton	862	Chemical storage, hazardous
734	Carpet, rug mfg, mixed fibers		
733	Carpet, rug mfg, wool		
826	Carpet storage		

798	Chess set mfg	738	Cloth coating processes
717	Chewing gum mfg	742	Cloth lining mfg
725	Chewing tobacco mfg	825	Cloth storage
334	Child welfare clinic	522	Clothing accessory sales
322	Children's home	524	Clothing alteration shop
491	Children's playhouse	742	Clothing plant
567	Chimney cleaning firm	521	Clothing rental
681	Chimney liner mfg	796	Clothing repair
681	Chimney pipes, clay mfg	521	Clothing store
684	China, decorating repair, mfg	141	Club, city
684	China ornaments mfg	142	Club, country
684	China pottery mfg	162	Club, night
545	China shop	143	Club, yacht, boating
893	China stge	785	Clutch mfg, cycle
593	Chiropract office	784	Clutch mfg, motor vehicle
593	Chiropractor office	768	Coal distillation
773	Chisel mfg	671	Coal drying
717	Chocolate factory	671	Coal mining
758	Christmas card printing	671	Coal, prospecting
131	Church	895	Coal stge
133	Church hall	768	Coal tar oils mfg
133	Church meeting hall	742	Coat mfg
591	Church office building	738	Coating, cloth
545	Church supply store	755	Coating paper mfg
722	Cider mfg, hard	688	Coating, paper w/abrasives
724	Cider mfg, soft	768	Coating, paper w/asphalt, tar
752	Cigar box mfg	799	Coating, paper w/carbon
725	Cigar mfg	792	Coating, paper w/sensitizer
838	Cigar storage	523	Cobbling
542	Cigar store	721	Cocktail mfg
746	Cigarette case mfg	717	Cocoa butter mfg
755	Cigarette paper mfg	717	Cocoa processing
725	Cigarette plant	726	Coconut oil, refining
838	Cigarette storage	739	Coconut fiber, spinning, weaving
726	Cinnamon oil mfg		
775	Circuit breaker mfg	726	Cod liver oil, refining
773	Cistern mfg	655	Coffee growing
771	Cistern mfg, cast iron	715	Coffee, instant, mfg
141	City club	715	Coffee mill
643	City gas mfg	715	Coffee roasting
591	City hall	753	Coffin mfg
633	Civil defense communications center	852	Coffin stge & display, wood
		876	Coffin stge & display, metal
714	Clam packing	794	Coin mfg
675	Clay, extraction from earth	746	Coin purse mfg
681	Clay flooring tile mfg	564	Coin-operated dry cleaning
893	Clay prods stge	564	Coin-operated laundry
681	Clay roofing tile mfg	739	Coir mat mfg
681	Clay, screening, preparing	768	Coke by-products plant
743	Cleaning cloth mfg	768	Coke mfg
742	Clerical vestment mfg	643	Coke oven, in gas works
334	Clinic	771	Coke oven, in iron, steel plant
793	Clock case mfg	895	Coke storage
793	Clock mechanism mfg	835	Cold storage
793	Clock mfg, all	742	Collar mfg
793	Clock part mfg	242	College classroom bldg
741	Clog footwear mfg	461	College dormitory
732	Cloth belting plant	221	College preparatory school,

boarding	673	Copper mine, quarry
215 College preparatory school, day	772	Copper refining, etc
783 Colliery rail tub mfg	773	Copper stamping, cold pressing
774 Colliery winding gear mfg	772	Copper wire drawing
765 Color mfg, artists	776	Cord mfg, insulated elec
774 Comb mfg, for textile machine	737	Cordage plant
841 Combustible liquids tank stge	721	Cordial mfg
862 Commercial explosives stge	662	Cordwood stge
758 Commercial lithographing	753	Cork grinding
758 Commercial printing	753	Cork plant
232 Commercial school	753	Cork products mfg
591 Commodity, broker, exchange	811	Corn crib
913 Communication system, constr, repair	726	Corn oil refining
914 Communication system, demolition	232	Correspondence school
774 Composing room equip mfg	756	Corrugated paper fabricating
821 Compress, cotton	755	Corrugated paper mfg
774 Compressor mfg	742	Corset mfg
644 Compressor station, gas	766	Cosmetics mfg
635 Computer center	866	Cosmetics storage
776 Computer mfg, elec	561	Cosmetics supply store
182 Concert hall	799	Costume jewelry mfg
686 Concrete batch plant	545	Costume jewelry sales
681 Concrete block mfg	742	Costume mfg
774 Concrete mixer mfg	799	Costume novelties mfg
686 Concrete mixing	521	Costume renting
688 Concrete pipe mfg	732	Cotton bag mfg
686 Concrete, ready-mix plant	821	Cotton compress
915 Condemned property	735	Cotton, finishing
719 Condiment mfg	731	Cotton gin
761 Confectioners color mfg	732	Cotton mill, cloth or yarn
513 Confectionery sales	732	Cotton mill, full process
911 Construction, bldg, under	732	Cotton mill, part process
574 Construction equipment sales	737	Cotton mill, reworking
884 Construction mchry, storage	821	Cotton, rope, cord, etc
913 Construction, other than bldg	731	Cotton storage, bales
981 Construction site	726	Cottonseed house
594 Consulting engineers office	811	Cottonseed oil plant
773 Container mfg, metal	741	Cottonseed storage, bulk
756 Container mfg, paper	743	Counter shoe mfg
761 Continuous filament yarn mfg	142	Counterpane mfg
916 Contractor's shed	811	Country club
774 Contractor's machine mfg	513	Country grain elevator
594 Contractor's office, permanent	311	Country store
311 Convalescent home, aged w/nursing	312	County home, w/nursing
312 Convalescent home, aged w/o nursing	591	County home, w/o nursing
332 Convalescent home, sick persons	342	County office
465 Convent	783	County workhouse, women
926 Conveyor		Coupler mfg, automatic railroad
774 Conveyor mfg	773	Coupling mfg, metal
716 Cookie mfg	155	Court house
751 Cooperage stock mfg	743	Cover mfg
752 Coopering	652	Cow raising
773 Copper hollow ware, mfg	714	Crab, packing
	773	Crane hook mfg
	775	Crane mfg, elec
	774	Crane mfg, nonelectric

884	Crane storage, mobile	776	Dehumidifier mfg, unit type
752	Crate mfg, wood	713	Dehydration plant
774	Crawler tractor mfg	516	Delicatessen
765	Crayon mfg	912	Demolition, bldg
712	Creamery	914	Demolition, other than bldg
591	Credit company office	791	Dental supply mfg
134	Crematorium	593	Dental surgeons office
751	Creosote impregnating	593	Dentists office
811	Crib, corn	891	Department store storage
655	Crops	581	Department store, w/furniture
681	Crucible, fireclay, graphite mfg	583	Department store, w/o furniture
674	Crude oil stge, at well	174	Depot, railroad, street level
674	Crude oil, well, extracting	647	Desalting plant
842	Cryogenic gas stge	233	Designers school
776	Crystal mfg, elec	344	Detention camp, men
913	Culvert, constr, repair	343	Detention home, juvenile
914	Culvert, demolition	342	Detention home, women
114	Curling rink	726	Detergent mfg
796	Curtain, cleaning, dyeing	869	Detergent stge
743	Curtain mfg	762	Detonator mfg
526	Curtain shop	621	Diagnostic laboratory
747	Cushion mfg, rubber or synthetics	794	Diamond cutting
682	Cut glass mfg	544	Diamond sales
773	Cut nail mfg	796	Diaper service plant
741	Cut sole mfg	532	Dictating equipment sales
773	Cutlery mfg, household	538	Dictating equipment repair w/o sales
791	Cutlery mfg, surgical, dental	776	Dictating machine mfg
545	Cutlery store	772	Die casting
774	Cutting machine mfg	758	Die stamping, paper
785	Cycle mfg	774	Diesel engine mfg
552	Cycle shop	161	Diner
925	Cyclone cellar	161	Dining hall
761	Cyclopropane gas mfg	758	Directory, publishing, printing
712	Dairy	633	Disaster control center
776	Dairy appliance mfg, elec	583	Discount store, over 10,000 sq ft
774	Dairy machinery mfg, nonelec	582	Discount store, under 10,000 sq ft
515	Dairy quick-freeze store	684	Dish mfg
515	Dairy store	761	Disinfectant mfg, commercial
913	Dam, constr, repair	766	Disinfectant mfg, pharmaceutical
914	Dam, demolition	687	Disks, grinding, abrasive mfg
121	Dance hall	754	Display case mfg
113	Dance studio	768	Distillation, coal tar
775	Dashboard instrument mfg	768	Distillation, coal
756	Data processing card mfg	767	Distillation, petroleum tar
635	Data processing center	721	Distillery
776	Data processing machine mfg	646	District heating, steam
799	Data stamp mfg	754	Divan bed mfg
717	Date, stuffed, mfg	961	Divided highway
321	Day care center, over 4 hrs	898	Dock
211	Day nursery school, 4 hrs or less	593	Doctor's office
321	Day nursery school, over 4 hrs	636	Document center
333	Deaf persons institution	798	Doll mfg
773	Deed box mfg		
718	Deep fat frying		
591	Defense forces office		

682	Domestic glassware mfg	742	Dungaree mfg
684	Domestic pottery, china, mfg	595	Duplicating firm
753	Domestic woodware mfg	776	Duplicating machine mfg
773	Door frame mfg, metal	799	Duplicator mfg, not machine
773	Door mfg, metal	774	Dust extraction mchry, mfg
773	Door mfg, storm, screen, metal	411	Dwellings, 1-family, year-round use
751	Door mfg, wood	412	Dwellings, 1-family, seasonal, in season
751	Door or window screen mfg, wood	413	Dwellings, 1-family, seasonal off season
466	Dormitory, bunk house	414	Dwellings, 2-family, year-round use
462	Dormitory, fraternity or sorority	415	Dwellings, 2-family, seasonal, in season
464	Dormitory, military	416	Dwellings, 2-family, seasonal, off season
463	Dormitory, nurses quarters	422	Dwelling, 3-6 units
465	Dormitory, religious	423	Dwellings, 7-20 units
461	Dormitory, school, college	424	Dwellings, over 20 units
444	Dormitory-type hotel	761	Dye intermediates mfg
716	Doughnut mfg	774	Dye machine mfg, textile
773	Drag mfg, metal	735	Dyeing plant, textile
774	Dragline excavator mfg		
913	Drainage project, constr, rep	774	Earth-moving machine mfg
914	Drainage project, demolition	684	Earthenware, decorating, repair
743	Drapery mfg	893	Earthenware stge
526	Drapery store	711	Edible fat mfg
541	Drawing supply store	719	Egg processing
913	Dredging, other than mining	651	Egg production
742	Dress mfg	732	Elastic mfg, cotton
742	Dressing gown mfg	734	Elastic mfg, mixed, other fibers
524	Dressmaking shop	733	Elastic mfg, wool or worsted
776	Drill mfg, elcc	763	Elastomers mfg, synthetic
674	Drilling, for oil	776	Electric appliance mfg
774	Drink mchry, mfg	532	Electric appliance repair, w/sales
164	Drive-in eating place	538	Electric appliance repair, w/o sales
184	Drive-in theater	791	Electric control device mfg
233	Driving school	775	Electric distribution equip mfg
773	Drop forge metal pieces mfg	642	Electric distribution system
774	Drop hammer machine mfg	641	Electric generating plant
773	Drop stamped metal pieces mfg	776	Electric lamp mfg
582	Drug store, no pharmacist	776	Electric light mfg, all types
543	Drug store, pharmacist on duty	775	Electric mchry mfg
766	Drugs mfg	791	Electric measuring instrument mfg
866	Drugs storage	775	Electric motor mfg
773	Drum mfg, metal	776	Electric plug mfg
752	Drum mfg, wood	791	Electric recording instrument mfg
566	Dry cleaning pick-up shop	776	Electric sign mfg
796	Dry cleaning plant	776	Electric socket mfg
564	Dry cleaning, self-service	776	Electric stove mfg
781	Dry dock		
825	Dry goods storage		
526	Dry goods store		
761	Dry ice mfg		
811	Dryer, corn, grain		
776	Dryer mfg, domestic		
865	Drying oil storage		
333	Dumb persons institution		
932	Dump		

642	Electric substation	774	Engineers tools mfg, metal
776	Electric switch mfg	757	Engraving, photo, newspaper & magazine
775	Electric switchgear mfg	758	Engraving, photo, commercial
776	Electric tool mfg, portable	794	Engraving, precious metal
775	Electric traction motor mfg	758	Engraving, printing plates
775	Electric transmission equip mfg	774	Envelope machine mfg
642	Electric transmission system	756	Envelope mfg
532	Electrical appliance sales	513	Epicure shop
875	Electrical appliance storage	775	Escalator mfg
775	Electrical equipment assembling	726	Essential oil mfg
776	Electrical mchry repairs	758	Etching, printing plates
874	Electrical mchry storage	721	Ethyl alcohol, distilling
573	Electrical repair shop, motor vehicle	774	Excavating machine mfg
875	Electrical supply storage	774	Excavator mfg
642	Electrical vault	751	Excelsior mfg
791	Electro-medical equipment mfg	853	Excelsior stge
774	Electrode mfg, welding	591	Exchange clearing house
791	Electronic control device mfg	634	Exchange telephone, telegraph
625	Electronic, electrical laboratory	774	Exhauster mfg
791	Electronic measuring device mfg	122	Exhibition hall
776	Electronic navigational aid mfg	762	Explosives mfg
682	Electronic tube, glass envelope mfg	558	Explosive sales, retail
758	Electrotyping, commercial	862	Explosives, storage
757	Electrotyping, newspaper or magazine	591	Exporters office
213	Elementary school	122	Exposition hall
913	Elevated highway, constr, repair	567	Exterminator firm
914	Elevated highway, demolition	724	Extract mfg, flavoring
176	Elevated railway station	763	Extrusion compounds mfg, plastic
921	Elevated structure	774	Extrusion machine mfg
816	Elevator, grain	791	Eye mfg, artificial
775	Elevator mfg, elec	548	Eyeglass fitting
774	Elevator mfg, nonelectric	741	Fabric footwear
799	Emblem mfg	732	Fabric mfg, cotton
794	Emerald, cutting	734	Fabric mfg, mixed, other fibers
633	Emergency communications center	733	Fabric mfg, wool or worsted
687	Emery wheel mfg	739	Fabric waste recovering
784	Engine assembly, motor vehicle	774	Fabricated steel mfg, industrial
688	Engine gasket mfg, asbestos	141	Faculty club
786	Engine mfg, aircraft	123	Fairground grandstand
774	Engine mfg, industrial	925	Fallout shelter
781	Engine mfg, marine	776	Fan mfg, unit type
784	Engine mfg, motor vehicle	655	Farm crop
688	Engine packing mfg, asbestos	574	Farm implement sales
786	Engine repair, aircraft	818	Farm implement storage
774	Engine repair, industrial	811	Farm silo
781	Engine repair, marine	818	Farm store, storage
573	Engine repair, motor vehicle	466	Farm workers barrack
774	Engine test cell	591	Fashion designers office
594	Engineering office	726	Fat distillation, nonedible
561	Engineering supply sales	711	Fat refining, edible
		711	Fat rendering, edible
		726	Fat splitting, nonedible
		754	Feather bed mfg
		754	Feather products mfg

592	Federal reserve bank	867	Finished rubber products stge
715	Feed, animal or poultry	826	Finished textile storage
811	Feed storage, bulk	852	Finished wood products storage
818	Feed store	735	Finishing plant, textile
745	Fellmongery	633	Fire alarm headquarters
742	Felt hat mfg	776	Fire alarm mfg, incl nonelec
732	Felt making, cotton	633	Fire alarm system, municipal
734	Felt making, mixed fibers	633	Fire communications center
733	Felt making, wool or worsted	774	Fire control device mfg
745	Felt mfg, hair	591	Fire department administrative office
733	Felt mill, pressed wool	784	Fire fighting vehicles, mfg
733	Felt, needleloom mfg	888	Fire hall
853	Felt stge	751	Fire retardant impregnating plant
738	Feltbase mfg	888	Fire station
751	Fencing sawn mfg, wood	681	Fireclay sanitary ware mfg
754	Fender mfg, fireplace	773	Fireplace tool mfg
771	Ferro-chrome mfg	662	Firewood stge
772	Ferro-molybdenum mfg	762	Fireworks mfg
772	Ferro-silicon mfg	558	Fireworks sales, stands
772	Ferro-tungsten mfg	862	Fireworks storage
177	Ferry terminal	714	Fish canning
761	Fertilizer mixing, bagging	665	Fish farms
554	Fertilizer sales	665	Fish hatchery
864	Fertilizer storage	726	Fish oil, refining
755	Fiber building paper mfg	714	Fish packing
734	Fiber mfg, staple	714	Fish, preserving, processing
764	Fiber mfg, synthetic	714	Fish, salting, drying, etc
853	Fiber products storage	513	Fish store
756	Fiberboard packing case mfg	142	Fishing club
753	Fiberboard plant	737	Fishing net mfg
853	Fiberboard stge	773	Fishhook mfg
853	Fiberglass insulation stge	611	Fission material mfg
685	Fibro cement mfg	611	Fission products handling
931	Field	754	Fitting mfg, furniture
655	Field crop	754	Fixture mfg, furniture
122	Field house	743	Flag mfg
756	File mfg, cardboard	645	Flammable liquid pipeline
773	Files mfg, insulated	841	Flammable liquid tank stge
754	Filing cabinet mfg, any material	762	Flare mfg
571	Filling station, gasoline public	776	Flashlight mfg
577	Filling station, marine	421	Flat, 1-2 units, w/business
572	Filling station, vehicle fuel, private	422	Flat, 3-6 units
186	Film demonstration studio	423	Flat, 7-20 units
186	Film exchange	424	Flat, 21 units and over
792	Film fabrication, photographic	682	Flat glass mfg
797	Film processing	773	Flat spring mfg
186	Film renovating	724	Flavoring extract mfg
186	Film repairing	737	Flax, rope, cordage product mfg
186	Film screening	824	Flax storage, bales, bags
868	Film storage, photographic	734	Flax, thatching, etc
116	Filter area, swimming pool	883	Fleet parking
743	Filter cloth mfg	776	Flexible shaft tool mfg
647	Filtration plant, water	771	Flexible tube mfg, iron or steel
761	Fine chemicals mfg		
877	Finished leather goods storage		

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| 971 Flight area | 794 Fork mfg, precious metal |
| 632 Flight control center | 774 Forklift truck mfg |
| 753 Float mfg, cork | 771 Foundry, ferrous |
| 913 Flood control project, constr | 772 Foundry, nonferrous |
| 914 Flood control project, demolition | 799 Fountain pen mfg |
| 567 Floor cleaning firm | 785 Frame mfg, cycle |
| 536 Floor covering store | 141 Fraternal club w/o sleeping |
| 681 Floor tile mfg, clay | Fraternal club, w/sleeping units |
| 738 Floor tile mfg, linoleum | See apartment |
| 738 Flooring mfg, linoleum | 462 Fraternity house |
| 747 Flooring mfg, rubber | 834 Freeze locker |
| 751 Flooring mfg, wood | 776 Freezer mfg, unit type |
| 444 Flop house | 783 Freight car mfg, railway |
| 547 Florist shop | 898 Freight pier |
| 715 Flour, blending, preparation | 894 Freight terminal |
| 715 Flour mill | 765 French polish mfg |
| 715 Flour, patent, self-raising | 834 Frozen food locker |
| 837 Flour storage, bulk | 713 Fruit, candied peel mfg |
| 547 Flower growing | 713 Fruit canning |
| 799 Flower plants, artificial | 717 Fruit, crystallized mfg |
| 547 Flower sales | 713 Fruit, dehydrating, quick-freezing |
| 661 Flower, wild, gathering | 713 Fruit drying |
| 776 Fluorescent fixture mfg | 655 Fruit growing |
| 682 Fluorescent tube mfg | 713 Fruit juice mfg |
| 677 Fluorspar ore, mining, quarrying | 713 Fruit, packing after picking |
| 689 Fluorspar ore processing | 657 Fruit packing, as picked |
| 747 Foam rubber mfg | 713 Fruit ripening after picking |
| 747 Foam rubber processing | 513 Fruit store |
| 764 Foamed plastics fabrication | 661 Fruit, wild, gathering |
| 717 Fondant mfg | 776 Frying pan mfg, w/heating element |
| 712 Food, infant, with milk base | 773 Frying pan mfg, w/o heating element |
| 834 Food locker plant | 717 Fudge mfg |
| 774 Food mchry mfg | 768 Fuel mfg, packaged |
| 719 Food processed, animal, mfg | 762 Fuel mfg, rocket |
| 831 Food product storage, packaged, dry | 767 Fuel oil mfg |
| 832 Food product storage, canned, bottled | 784 Fuel pump mfg, motor vehicle |
| 833 Food product storage, loose or bagged | 134 Funeral chapel |
| 511 Food store, over 10,000 sq ft | 134 Funeral parlor |
| 513 Food store, specialty | 742 Fur apparel mfg |
| 512 Food store, under 10,000 sq ft | 742 Fur hat mfg |
| 832 Food stuffs, processed, bottled | 745 Fur mat mfg |
| 832 Food stuffs, processed, canned | 742 Fur muff mfg |
| 833 Food stuffs, processed, loose | 741 Fur product mfg, footwear |
| 593 Foot care center | 742 Fur product mfg, wearing apparel |
| 747 Footwear mfg, rubber, vulcanized | 745 Fur product plant |
| 661 Forest fire | 828 Fur product storage |
| 661 Forestry | 745 Fur rug mfg |
| 773 Forged metal pieces mfg, drop | 745 Fur, sorting, dressing, etc |
| 774 Forging machine mfg | 828 Fur storage |
| 773 Fork mfg, carving | 525 Fur store |
| | 663 Fur, trapping, hunting |
| | 654 Fur-bearing animal raising |

774	Furnace mfg	644	Gas pipeline compressor station
532	Furnace sales	643	Gas plant, manufactured, fuel
754	Furniture mfg	644	Gas purification station
753	Furniture mfg, rustic	681	Gas retort mfg
791	Furniture mfg, surgical, dental	944	Gas transport ship
537	Furniture repair shop	744	Gas welding mchry mfg
531	Furniture sale, used	674	Gas well
852	Furniture storage	688	Gasket mfg
531	Furniture store	774	Gasoline engine mfg
525	Furrier	767	Gasoline mfg
762	Fuse mfg, explosive	571	Gasoline service station, public
611	Fusion material mfg	572	Gasoline service station, private
611	Fusion products handling	841	Gasoline storage
		842	Gasometer
741	Gaiter mfg	774	Gauge mfg, metal
152	Gallery, art, incl sales	784	Gear box mfg, motor vehicle
747	Galoshes mfg	784	Gear mfg, cycles
141	Gambling place	765	Gelatine mfg
711	Game, curing, salting, etc	678	Gems, natural, mining
711	Game, dressing, processing	591	General business office
798	Game mfg	891	General storage warehouse
663	Game propagation	641	Generating plant, electrical
551	Game store, recreational	775	Generator mfg
113	Games of chance, for amusement	545	Gift shop
141	Gaming place	731	Gin, cotton
883	Garage, city vehicle parking	721	Gin mfg
882	Garage, commercial parking	683	Glass container mfg
883	Garage, fleet parking	682	Glass, cutting, etc
573	Garage, repair	682	Glass fiber fabricating, mfg
881	Garage, residential parking	682	Glass fiber processing
574	Garage, with motor vehicle sales	893	Glass products stge
		682	Glass products mfg, misc
648	Garbage disposal plant	893	Glass storage
648	Garbage reduction plant	545	Glass store
655	Garden	792	Glasses, frame mfg
422	Garden apartment, 3-6 units	792	Glasses mfg
423	Garden apartment, 7-20 units	682	Glassware mfg
424	Garden apartment, over 20 units	786	Glider mfg, assembly, repair
737	Garden net mfg	744	Glove leather tannery
123	Garden, sports arena	742	Glove mfg, leather
554	Garden supplies store	736	Glove mfg, knitted
774	Garden tractor mfg	747	Glove mfg, rubber
826	Garment storage	765	Glue mfg
742	Garter mfg	767	Glycerine mfg
532	Gas appliance sales	794	Gold, assaying, smelting, etc
774	Gas compressor mfg	673	Gold mine, quarry
774	Gas cutting mchry mfg	775	Golf cart mfg, elec
776	Gas discharge lamp mfg	142	Golf club
982	Gas field	913	Golf course, constr, repair
913	Gas main, constr, repair	914	Golf course, demolition
914	Gas main, demolition	552	Golf shop
643	Gas mfg, fuel	513	Gourmet shop
761	Gas mfg, industrial	758	Government printing office
644	Gas pipeline	213	Grade school
		774	Grader machine mfg
		816	Grain elevator

715	Grain mill	774	Hammer machine mfg
811	Grain stack	773	Hammer mfg
811	Grain storage, bulk	737	Hammock mfg
776	Gramophone mfg	752	Hamper mfg
811	Granary	773	Hand tool mfg
123	Grandstand	746	Handbag mfg
675	Granite, quarrying, mining	742	Handkerchief mfg
688	Granite, working	785	Handlebar mfg, cycle
688	Graphite products mfg	753	Handle mfg, hardwood
773	Grapnel mfg	886	Hangar
931	Grass	773	Hardware mfg
675	Gravel, extraction from earth	873	Hardware storage
688	Gravel, working	533	Hardware store
767	Grease mfg	753	Hardwood turning plant
845	Grease storage in containers	746	Harness mfg
547	Greenhouse	774	Harrow mfg, incl self-propelled
751	Greenhouse mfg, wood	742	Hat mfg
758	Greeting card mfg	796	Hat reblocking, repair
687	Grinding abrasives mfg	522	Hat store
687	Grindstone mfg	651	Hatchery, poultry
715	Grist mill	745	Hatters fur mfg
832	Grocery storage, crated, boxed	811	Hay stack
833	Grocery storage, loose, bagged	811	Hay storage, bulk, not in barn
511	Grocery store, over 10,000 sq ft	815	Hay storage, in barn
512	Grocery store, under 10,000 sq ft	818	Hay store
677	Guano, harvesting	141	Health club
709	Guano, processing	766	Health salt mfg
661	Gum, natural, gathering	784	Heater mfg, motor vehicle
717	Gum, chewing, mfg	776	Heating apparatus mfg, elec
762	Gun cotton mfg	646	Heating, district, steam
773	Gun mfg	774	Heating mchry mfg
552	Gun shop	646	Heat transfer system
762	Gunpowder works	574	Heavy equipment sales
747	Gutta-percha products	611	Heavy water plant
121	Gymnasium	172	Heliport
798	Gymnastic equipment mfg	172	Helistop
688	Gypsum board mfg	737	Hemp cord, plant
678	Gypsum, mining, quarrying	735	Hemp, finishing
688	Gypsum products mfg	737	Hemp, rope, cable, etc
892	Gypsum stg	734	Hemp, soft, spinning, etc
		824	Hemp storage, bales, bags
522	Haberdashery store	661	Herb, wild, gathering
776	Hair clipper mfg	744	Hide, tanning, dressing, etc
766	Hair dressing mfg	827	Hides storage
557	Hair dressing shop	215	High school
733	Hair felt mfg, pressed	642	High tension power line
745	Hair product plant	961	Highway, limited access
828	Hair product storage	913	Highway, constr, repair
766	Hair tonic mfg	914	Highway, demolition
799	Hairnet mfg	153	Historical building
121	Hall, dance	551	Hobby shop
161	Hall, dining	114	Hockey rink, fixed use
888	Hall, fire	123	Hockey rink, in arena
141	Hall, lodge	773	Hoe mfg
112	Hall, pool	653	Hog raising
182	Hall, public	775	Hoist mfg, elec
711	Ham curing	774	Hoist mfg, nonelec

681	Hollow tile mfg	897	Ice dispenser, coin operated
773	Hollow ware mfg, w/o heating element	719	Ice harvesting
776	Hollow ware mfg, w/heating element	897	Ice house
134	Home, funeral	719	Ice plant, mfg and natural
567	Home maintenance firm	114	Ice skating rink
533	Home repair supply sales	897	Ice storage
311	Homes for aged, w/nursing staff	799	Identification tag mfg
312	Homes for aged, w/o nursing staff	917	Idle property
713	Honey processing	767	Illuminating oil mfg
654	Honey production, apiary	591	Importers office
742	Hood mfg, wearing apparel	682	Incandescent lamp plant
784	Hood mfg, motor vehicle	648	Incinerator, industrial
773	Hook mfg	648	Incinerator, municipal
713	Hop kiln, curing	756	Index card mfg
775	Horn mfg, elec	798	Indoor game mfg
739	Horsehair, spinning, weaving	591	Industrial administrative office
773	Horseshoe mfg	862	Industrial chemical stge, hazardous
764	Hose mfg, plastic	861	Industrial chemical stge, non-hazardous
747	Hose mfg, rubber	633	Industrial communications center
736	Hosiery mfg, knitted	761	Industrial gas mfg
522	Hosiery store	862	Industrial hazardous chemical stge
331	Hospital	591	Industrial loan institution
561	Hospital supply sales	774	Industrial tractor mfg
773	Hot pressed metal pieces mfg	231	Industrial training school
444	Hotel, dormitory type	774	Industrial valve mfg
754	Hotel furniture mfg	742	Infant wear mfg
442	Hotel, seasonal, in season	334	Infirmiry, clinic type
443	Hotel, seasonal, off season	331	Infirmiry, hospital type
441	Hotel, year-round	771	Ingot mould mfg, cast iron
547	Hothouse	871	Ingot storage
475	Houseboat	765	Ink mfg, printers
341	House of correction, men	765	Ink mfg, writing
784	House trailer, mfg, assembly	799	Ink pad mfg
754	Household furniture mfg	865	Ink storage
852	Household furniture storage	442	Inn, seasonal, in season
421	Housekeeping apart, 1-2 units w/business	443	Inn, seasonal, off season
422	Housekeeping apart, 3-6 units	163	Inn, w/o sleeping accommodations
423	Housekeeping apart, 7-20 units	441	Inn, w/sleeping accommodations, yr rd
776	Humidifier mfg, unit type	741	Inner sole mfg
663	Hunting	747	Inner tube mfg
142	Hunting club	761	Inorganic chemical mfg
685	Hydraulic cement mfg	761	Insecticides mfg
774	Hydraulic mchry mfg	333	Institution for deaf, dumb and blind
622	Hydraulics laboratory	335	Institution, mental
761	Hydrogen gas mfg	791	Instrument mfg, electric, electronic
761	Hydrogen sulfide gas mfg	791	Instrument mfg, measuring, control
712	Ice cream plant	795	Instrument mfg, musical
515	Ice cream shop	561	Instrument sales, professional
515	Ice cream stand, quick-freeze		

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| 776 Insulated wire, cable mfg | 556 Kennel |
| 688 Insulation mfg, asbestos, stone | 767 Kerosene mfg |
| 682 Insulation mfg, glass fiber | 776 Kettle mfg, w/heating element |
| 753 Insulation mfg, wood, cork, sawdust | 773 Kettle mfg, w/o heating element |
| 684 Insulators, pottery, clay | 746 Key case mfg |
| porcelain mfg | 162 Key club |
| 214 Intermediate school | 773 Key mfg |
| 774 Internal combustion engine mfg | 533 Key-lock shop |
| 591 Investment firm office | 681 Kiln lining mfg |
| 796 Invisible mending, clothes | 774 Kiln mfg |
| 771 Iron, basic products mfg | 742 Kilt mfg |
| 771 Iron conversion | 212 Kindergarten |
| 771 Iron foundry | 532 Kitchen cabinet store |
| 771 Iron mfg, billets, blooms, etc | 773 Knife mfg |
| 771 Iron mfg, cast iron prod | 736 Knit wear mfg |
| 776 Iron mfg, domestic, elec | 736 Knitted fabric mfg |
| 672 Iron ore mining, quarrying | 736 Knitting, full process mill |
| 677 Iron pyrites, mining, quarrying | 774 Knitting machine mfg, textile |
| 761 Iron pyrites processing | 736 Knitting, part process mill |
| 771 Iron smelting, refining, etc | 764 Kodel fiber mfg |
| 773 Iron, stamping, cold pressing, etc | 626 Laboratory, agricultural |
| 871 Iron storage, basic forms | 621 Laboratory, biological |
| 672 Ironstone mining, quarrying | 621 Laboratory, chemical |
| 773 Ironwork mfg | 625 Laboratory, electric, electronic |
| 913 Irrigation projects, constr, repair | 622 Laboratory, hydraulics |
| 914 Irrigation project, demolition | 791 Laboratory instrument mfg |
| 774 Jack mfg | 621 Laboratory, medical |
| 742 Jacket mfg | 622 Laboratory, metallurgical |
| 342 Jail, women | 623 Laboratory, personnel testing |
| 713 Jam mfg | 622 Laboratory, physics |
| 765 Japan drier mfg | 623 Laboratory, psychological testing |
| 684 Jar, earthenware mfg | 624 Laboratory, radioactive material |
| 682 Jar, glass mfg | 627 Laboratory, research, general |
| 713 Jelly mfg | 732 Lace, cotton, drawing, ending, etc |
| 794 Jewelry fabricating mfg | 732 Lace mfg, cotton |
| 544 Jewelry shop | 734 Lace mfg, mixed, other fibers |
| 798 Jigsaw puzzle mfg | 733 Lace mfg, wool or worsted |
| 758 Job printing | 765 Lacquer mfg |
| 753 Joiners, off building site | 753 Ladder mfg, wood |
| 751 Joiners, on building site | 941 Lake |
| 241 Junior college classroom bldg | 745 Lambskin, shearing |
| 214 Junior high school | 773 Laminated spring mfg |
| 877 Junk yard | 776 Lamp assembling, elec |
| 743 Jute bag mfg | 682 Lamp bulb mfg |
| 737 Jute cord plant | 776 Lamp holder mfg |
| 737 Jute, rope, cord, etc | 776 Lamp mfg, metal, elec |
| 734 Jute, spinning, sorting, weaving | 773 Lamp mfg, metal, nonelec |
| 824 Jute storage, bales, bags | 743 Lamp shade mfg, cloth |
| 343 Juvenile detention home | 756 Lamp shade mfg, paper |
| 752 Keg mfg, wooden | 913 Land drainage project |
| 773 Keg mfg, metal | 913 Land reclamation project |
| | 711 Lard mfg |

711 Lard oil, refining, etc	688 Lime plant
711 Lard refining	688 Lime product mfg
773 Latch mfg	892 Lime stge
564 Laundromat	675 Limestone quarrying, mining
796 Laundry, commercial	688 Limestone, working, cutting, etc
743 Laundry bag mfg	961 Limited access highway
566 Laundry pick-up shop	173 Limousine terminal
564 Laundry, self-service	735 Linen, finishing
675 Lava, mining, quarrying	734 Linen mill
931 Lawn	796 Linen service plant
774 Lawn mower mfg	734 Linen, spinning, carding, etc
554 Lawn mower rental	824 Linen storage, bales, bags
591 Lawyers office	545 Linen store
773 Lead hollow ware	565 Linen supply house
673 Lead mine, quarry	742 Lingerie mfg
799 Lead pencil mfg	738 Linoleum mfg
772 Lead refining, smelting, etc	536 Linoleum store
773 Lead, stamping, cold pressing, etc	726 Linseed oil plant
776 Lead wire drawing	763 Liquid resin mfg, synthetic
682 Leaded glass mfg	721 Liquor, blending
774 Leaf sweeper mfg	723 Liquor, malt mfg
742 Leather clothing mfg	846 Liquor storage
546 Leather goods sales	514 Liquor store
741 Leather heel mfg	677 Lithium minerals, mining
741 Leather legging mfg	779 Lithium minerals processing
744 Leather machinery belt mfg	757 Lithographing
738 Leather mfg, artificial	742 Livery mfg
741 Leather product mfg, footwear	815 Livestock storage, in barn
742 Leather product mfg, wearing apparel	817 Livestock storage, not in barn
827 Leather product storage	974 Loading ramp, aircraft
746 Leather products mfg, general	591 Loan company office
741 Leather sole mfg	714 Lobster, packing, canning, etc
827 Leather storage	773 Lock mfg, mechanical
744 Leather, tanning, dressing, etc	793 Lock mfg, time
738 Leatherette mfg	754 Locker mfg, any material
931 Leaves	834 Locker plant
791 Leg mfg, artificial	783 Locomotive mfg
742 Legal robe mfg	887 Locomotive storage
741 Legging mfg	412 Lodge, 1 family, in season
156 Legislative hall	415 Lodge, 2 family, in season
181 Legitimate theater	413 Lodge, 1 family, off season
792 Lens grinding, polishing	416 Lodge, 2 family, off season
715 Lentil, grinding, splitting	141 Lodge, hall
933 Letter drop	442 Lodge, seasonal, in season
758 Letter press	443 Lodge, seasonal, off season
754 Lettering mfg, sign	431 Lodging house, 4-8 roomers, year-round
151 Library	432 Lodging house, 9-15 roomers, year-round
758 Library binder mfg	441 Lodging house, over 15 roomers, year-round
717 Licorice mfg	662 Log storage
753 Life belt mfg, cork	662 Logging
775 Lift truck mfg, elec	662 Log, transportation, moving
774 Lift truck mfg, nonelec	758 Looseleaf binder mfg
781 Lighter, building, repairing, etc	931 Lot, vacant
773 Lighting fixture mfg	
791 Limb mfg, artificial	

571	LP-gas bottle filling station, public	576	Marina, (see property complex)
843	LP-gas bulk plant	781	Marine accessory sales
767	Lubricating oil mfg	726	Marine boiler mfg
746	Luggage mfg	726	Marine oil, refining
546	Luggage store	177	Marine passenger terminal
751	Lumber mfg	577	Marine refueling facility
555	Lumber sales, retail	781	Marine repair, over 65 ft loa
851	Lumber storage	782	Marine repair, under 65 ft loa
851	Lumberyard	576	Marine salesrooms
164	Lunch counter	577	Marine service station
164	Lunchroom	655	Market garden
713	Macaroni canning	511	Market, over 10,000 sq ft
716	Macaroni plant	512	Market, under 10,000 sq ft
773	Machine gun mfg	713	Marmalade mfg
774	Machine shop	952	Marshalling yard
774	Machine tool mfg, metal	717	Marshmallow mfg
744	Machinery belt mfg, leather	685	Masonry cement mfg
732	Machinery belting mfg, cotton	561	Masons supply sales
733	Machinery belting mfg, wool	781	Mast mfg, over 65 ft loa
775	Machinery mfg, elec	782	Mast mfg, under 65 ft loa
774	Machinery mfg, excl elec	753	Mat mfg, cork
774	Machinery parts mfg	732	Mat mfg, cotton
776	Machinery repair, elec	734	Mat mfg, mixed, other fibers
574	Machinery sales, motor driven	758	Mat mfg, printing
874	Machinery storage, not vehicle	747	Mat mfg, rubber or synthetic
884	Machinery storage, vehicle	733	Mat mfg, wool or worsted
562	Machinist supply sales	762	Match plant
774	Machinist tool mfg	775	Materials handling equip mfg, electrical
757	Magazine publishing	774	Materials handling equip mfg, nonelectrical
798	Magic apparatus mfg	334	Maternity clinic
773	Magnesium, hollow ware	331	Maternity hospital
772	Magnesium refining, smelting etc	754	Mattress mfg except rubber
773	Magnesium, stamping, etc	747	Mattress mfg, rubber
772	Magnesium, wire drawing	853	Mattress storage
584	Mail order store	715	Meal milling, preparation
891	Mail order warehouse	776	Measuring apparatus mfg, elec
933	Mailbox	711	Meat curing, dressing, etc
595	Mailing firm	513	Meat shop
595	Mailing list sales firm	774	Mechanical equip mfg, non-electrical
708	Maintenance shop, general	775	Mechanical equip mfg, elec
766	Malt extracts mfg	794	Medal mfg
723	Malt house	791	Medical equipment mfg
771	Manhole cover mfg, cast iron	682	Medical glassware mfg
773	Manicure set mfg	621	Medical laboratory
643	Manufactured gas, fuel	791	Medical machine mfg
709	Manure mfg, compounding	593	Medical office
758	Map mounting	561	Medical supply sales
758	Map, publishing, printing	766	Medicated wine mfg
661	Maple sugaring, in forest	767	Medicinal paraffin mfg
717	Maple sugaring, outside forest	766	Medicine mfg
675	Marble quarrying, mining	133	Meeting hall, church
688	Marble, working	154	Memorial structure
726	Margarine mfg	344	Men's detention camp
835	Margarine stge	335	Mental institution

891	Mercantile stock stge, nonfood	672	Mining, iron ore
773	Metal, base, cold pressing	774	Mining mchry mfg
773	Metal box mfg	751	Mining timber mfg
771	Metal casting, iron, steel	794	Mint, money
772	Metal casting, other metal	753	Mirror frame mfg
773	Metal fabricating	682	Mirror mfg
773	Metal furniture mfg	844	Missile fuel stge
893	Metal ore storage	631	Missile launch site
872	Metal parts storage	786	Missile mfg, assembly, repair no fuel
773	Metal product, polishing, plating, etc	742	Mitten mfg
876	Metal products stge, finished	734	Mixed fiber, full process mill
771	Metal refining, iron, steel	776	Mixer mfg, domestic
772	Metal refining, other metal	632	Mobile communication truck
773	Metal stamping mfg	784	Mobile home mfg, assembly
871	Metal storage, basic forms	471	Mobile home, permanent family unit
774	Metallurgical furnace mfg	574	Mobile home sales
622	Metallurgical laboratory	751	Mobile saw planing mill
678	Mica, quarrying, mining	717	Molasses mfg
792	Microscope mfg	465	Monastery
548	Microscope sales	794	Money mfg
632	Microwave site	792	Monocle mfg
466	Migrant workers barracks	154	Monument
464	Military barracks	688	Monument works
862	Military explosives storage	799	Mop mfg
221	Military school classroom bldg	134	Morgue
896	Military stg, not elsewhere classified	773	Mortar mfg, arms
712	Milk, bottling	591	Mortgage company
712	Milk, condensed, evaporated mfg	134	Mortuary
652	Milk cooling shed	131	Mosque
712	Milk, edible products, dried	441	Motel, interior entrance to rooms, yr rd
652	Milk house	451	Motel, under 4 stories, 1-2 units
774	Milk machine mfg	452	Motel, under 4 stories, 3-20 units
713	Milk, powdered, mfg	453	Motel, under 4 stories, over 20 units
712	Milk processing	868	Motion picture exchange
652	Milk production	797	Motion picture film processing
832	Milk storage	868	Motion picture film storage
526	Mill outlet store	186	Motion picture studio
742	Millinery mfg	183	Motion picture theater
522	Millinery store	474	Motor home, self-powered
713	Mincemeat mfg	775	Motor mfg, elec
783	Mine rail car mfg	774	Motor mfg, nonelectric
767	Mineral oil, refining	784	Motor vehicle mfg, assembly
761	Mineral pigments, mfg	573	Motor vehicle repairs
677	Mineral pigments, mining	574	Motor vehicle sales
892	Mineral prod stge bagged	575	Motor vehicle supply store
893	Mineral products storage packaged, non-bagged	576	Motorboat sales
724	Mineral water, carbonating	784	Motorcycle mfg
688	Mineral wool mfg	784	Motorcycle parts mfg
688	Minerals, grinding, etc	573	Motorcycle repair
678	Minerals, nonmetallic, mining	574	Motorcycle sales
677	Mining, chemicals	763	Moulded compound mfg,
671	Mining, coal		
677	Mining, fertilizer mineral		

	plastic	772	Nonferrous metals, refining, etc
764	Moulded plastic products	716	Noodle mfg
756	Moulded pulp goods mfg	753	Novelty mfg, hardwood
186	Movie studio	551	Novelty store
183	Movie theater	611	Nuclear fuel element plant
573	Muffler repair shop, motor vehicle	614	Nuclear ordnance bomb
733	Mungo shoddy mfg	774	Nuclear reactor mchry mfg
591	Municipal building	613	Nuclear reactor power
643	Municipal gas mfg	624	Nuclear reactor, research
762	Munitions mfg	465	Nunnery
152	Museum	465	Nuns living quarters
758	Music, publishing, printing	321	Nursery school, over 4 hours
233	Music school	211	Nursery school, 4 hours or less
534	Music store	655	Nursery tree, bush
795	Musical instrument mfg	463	Nurses living quarters
534	Musical instrument sales	311	Nursing home, w/nursing
719	Mustard mfg	312	Nursing home, w/o nursing
		726	Nut cake mfg
773	Nail mfg	655	Nut growing
767	Naphtha oil refining	726	Nut meat mfg
743	Napkin mfg	773	Nut mfg, metal
732	Narrow fabric mfg, cotton	657	Nut packing, as picked
734	Narrow fabric mfg, mixed fibers	717	Nut, salted mfg
		513	Nut shop
733	Narrow fabric mfg, wool	811	Nut storage, bulk
678	Natural abrasive, mining	717	Nut, sugar covered mfg
685	Natural cement mfg	763	Nylon fiber mfg
674	Natural gas well		
767	Natural gasoline plant	739	Oakum, picking, willowing
765	Natural resin, grinding	782	Oar mfg
591	Navy office	715	Oat milling, flaking, etc
726	Neatsfoot oil, refining	593	Oculists office
742	Necktie mfg	592	Office, bank
774	Needle bearing mfg	591	Office, business
794	Needle mfg, record	754	Office fixture, fittings mfg
773	Needle mfg, sewing	754	Office furniture mfg
739	Needleloom carpet mfg	531	Office furniture store
739	Needleloom felt mfg	531	Office machine sales
776	Neon lamp mfg	775	Office mchry mfg, elec, manual
682	Neon light mfg, fabricating	593	Office, medical
776	Neon sign mfg	531	Office supply sales
737	Net mfg, excl hair	982	Oil field
799	Net mfg, hair	767	Oil mfg, lubricating
591	News gathering agency office	726	Oil of clove mfg
591	News reporting agency office	645	Oil pipeline
757	Newspaper publishing	674	Oil reservoir
755	Newsprint mfg	726	Oil, salad, mfg
542	Newsstand	674	Oil shale mining, retorting
742	Night clothes mfg	845	Oil storage in containers
162	Night club	841	Oil storage in tanks
742	Night dress mfg	674	Oil well
631	Nike site	738	Oilcloth mfg
689	Nitrate minerals processing	742	Oilskin mfg
677	Nitrate minerals, quarrying	766	Ointment mfg
762	Nitrocellulose mfg, reclaiming	311	Old persons home, w/nursing
761	Nitrous oxide gas mfg	312	Old persons home, w/o nursing

726	Oleo oil, refining	739	Padding mfg, all fibers
726	Oleo-stearine mfg	765	Paint mfg
726	Olive oil, refining, hydro- genation	573	Paint shop
941	Open sea	865	Paint storage
181	Opera house	535	Paint store
791	Operating table mfg	799	Painters brush mfg
792	Ophthalmic goods mfg	773	Painters pot mfg, metal
792	Ophthalmoscope mfg	535	Painters supply store
792	Optical glass, grinding, polishing	742	Pajamas mfg
682	Optical glass mfg	726	Palm oil, refining
548	Optical goods sales	774	Paper bag machine mfg
792	Optical instrument mfg	756	Paper bag mfg, incl printing
792	Optical plant	855	Paper bag stge
548	Opticians office	756	Paper box mfg, incl printing
548	Optometrists office	758	Paper, bronzing, gilding, edging
164	Orange bar	756	Paper carton mfg, incl printing
655	Orange growing	755	Paper, coating, glazing, laminating
713	Orange juice, concentrated mfg	756	Paper container mfg, incl printing
655	Orchard	755	Paper corrugating, laminating
773	Ordinance mfg, exc vehicles	756	Paper cutout, pattern mfg
673	Ore concentration	541	Paper goods sales
672	Ore mining	756	Paper label manufacturing
771	Ore preparation plant, iron	756	Paper lamp-shade mfg
772	Ore smelting, nonferrous	774	Paper making mchry mfg
795	Organ mfg	687	Paper mfg, abrasive
534	Organ sales	768	Paper mfg, asphalt coated
761	Organic chemical mfg, all	799	Paper mfg, carbon
764	Orlon fiber mfg	799	Paper mfg, duplicating
794	Ornamental mfg	792	Paper mfg, sensitized
545	Ornamental goods store	755	Paper mill
773	Ornamental ironwork mfg	756	Paper mounts mfg
322	Orphanage	756	Paper plate mfg
752	Osier container mfg	855	Paper products stg
593	Osteopaths office	756	Paper products fabricating
782	Outboard motor mfg, repair	755	Paper reclaiming
576	Outboard motor sales	758	Paper ruling
774	Oven mfg, industrial	756	Paper spoon or utensil mfg
742	Overalls mfg	855	Paper stg, not rolled
742	Overcoat mfg	855	Paper storage, baled
761	Oxygen gas mfg	854	Paper stg, rolled
861	Oxygen stge, liquid or gas	755	Paperboard, coating
665	Oyster bed operation	755	Paperboard mfg
714	Oyster, packing, canning	756	Papier-mache goods mfg
655	Oyster, wild, cultivated	767	Paraffin wax mfg
		742	Parasol mfg
514	Package store	913	Parking area, constr, repair
768	Packaged fuel mfg	914	Parking area, demolition
893	Packaged mineral prods stge	882	Parking garage, general
845	Packaged petroleum prods stge	881	Parking garage, residential
838	Packaged tobacco prods stge	882	Parking lot, covered
774	Packaging machine mfg	965	Parking lot, uncovered
752	Packing case mfg, wood	913	Parking lot, constr, repair
657	Packing crops as picked	914	Parking lot, demolition
756	Pad mfg, writing	134	Parlor, funeral

625	Particle accelerator	841	Petroleum bulk plant
171	Passenger terminal, airport	841	Petroleum distributing station
173	Passenger terminal, bus	767	Petroleum jelly mfg
174	Passenger terminal, street level	845	Petroleum packaged product
177	Passenger terminal, marine	767	Petroleum refinery
176	Passenger terminal, elevated	841	Petroleum tank farm
175	Passenger terminal, subway	841	Petroleum terminal
765	Paste mfg	674	Petroleum well
799	Pastel mfg	898	Petroleum wharf
717	Pastilles mfg	773	Pewter, hollow ware mfg
716	Pastry mfg	772	Pewter, refining, smelting, etc
744	Patent leather plant	773	Pewter, stamping, etc
964	Path	766	Pharmaceutical mfg
621	Pathological laboratory	866	Pharmaceutical storage
962	Paved public street	582	Pharmacy, no pharmacist
963	Paved private street	543	Pharmacy, pharmacist on duty
963	Paved driveway	776	Phonograph assembling, elec
545	Pawn shop	795	Phonograph record blank mfg
715	Pea, grinding, splitting	785	Phonographic recording studio
713	Peanut butter processing	677	Phosphate minerals, mining, quarrying
726	Peanut oil, refining	689	Phosphate minerals processing
713	Peanut processing	595	Photocopy firm
811	Peanut storage, bulk	757	Photoengraving, newspaper and magazine
794	Pearl jewelry mfg	758	Photoengraving, commercial
794	Pearl products mfg	797	Photofinishing
678	Peat, cutting, digging	792	Photographic equipment mfg
818	Peat storage	792	Photographic film fabrication
761	Peatmoss processing	792	Photographic lens mfg
785	Pedal mfg	553	Photographic store
745	Pelt, sorting, dressing, etc	553	Photographic studio
799	Pen mfg	792	Photographic supplies mfg
773	Pen nib mfg, base metal	593	Physicians office
794	Pen nib mfg, precious metal	622	Physics laboratory
541	Pen shop	593	Physiotherapists office
341	Penal institution, men	795	Piano mfg
799	Pencil lead mfg	534	Piano store
799	Pencil mfg	566	Pick-up shop, laundry, dry cleaning
799	Penholder mfg	713	Pickles processing
341	Penitentiary cell, men	753	Picture frame mfg
341	Penitentiary, men	711	Pie mfg, meat
342	Penitentiary, women	716	Pie mfg, nonmeat
113	Penny arcade	526	Piece goods sales
311	Pensioners home, w/nursing	898	Pier
312	Pensioners home, w/o nursing	913	Pier, constr, repair
787	Perambulator mfg	914	Pier, demolition
762	Percussion cap mfg	898	Pier, petroleum
795	Percussion instruments mfg	771	Pig iron mfg
766	Perfume mfg	653	Pig raising
726	Perfume oil mfg	761	Pigment mfg
545	Perfume sale	774	Pile driver mfg
757	Periodical publishing	766	Pill mfg
792	Periscope mfg	771	Pillar box mfg, cast iron
722	Perry wine mfg	754	Pillow mfg, nonrubber
623	Personnel testing laboratory	747	Pillow mfg, rubber
769	Pest control chemical mfg		
556	Pet care center		
556	Pet shop, supplies		

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| 754 | Pillow renovating plant | 773 | Plumbing supply mfg |
| 743 | Pillowslip mfg | 533 | Plumbing supply store, retail |
| 771 | Pipe mfg, cast iron, steel, iron | 873 | Plumbing supply, wholesale |
| 681 | Pipe mfg, concrete | 799 | Plume mfg |
| 764 | Pipe mfg, plastic | 751 | Plywood mfg |
| 799 | Pipe mfg, smoking | 774 | Pneumatic control equip mfg |
| 872 | Pipe storage, metal | 774 | Pneumatic mchry mfg |
| 913 | Pipeline, constr, repair | 746 | Pocketbook mfg |
| 914 | Pipeline, demolition | 773 | Pocketknife mfg |
| 645 | Pipeline, flammable liquid | 662 | Pole, hewing, rough cutting |
| 644 | Pipeline, gas | 642 | Pole, utility, power |
| 983 | Pipeline right of way | 633 | Police communications center |
| 646 | Pipeline, steam | 345 | Police station |
| 647 | Pipeline, water | 765 | Polish mfg |
| 773 | Pistol mfg | 743 | Polishing cloth mfg |
| 751 | Planing mill | 764 | Polyester fiber mfg |
| 688 | Plaster mfg | 786 | Pontoon mfg, assembly, repair |
| 688 | Plaster product mfg | 112 | Poolroom, hall, center |
| 892 | Plaster storage | 684 | Porcelain product mfg |
| 763 | Plastic beads mfg | 942 | Port area |
| 782 | Plastic boat fabrication | 123 | Portable grandstands |
| 764 | Plastic casting | 723 | Porter mfg, malt |
| 763 | Plastic dispersions mfg | 685 | Portland cement mfg |
| 763 | Plastic emulsions mfg | 596 | Post office |
| 764 | Plastic enclosure mfg | 758 | Postage stamp printing |
| 764 | Plastic film mfg | 773 | Pot mfg, metal |
| 763 | Plastic, foamed, making | 677 | Potash, mining, quarrying |
| 764 | Plastic foamed products fabr | 718 | Potato chip plant |
| 741 | Plastic footwear mfg | 718 | Potato crisp mfg |
| 799 | Plastic lamp shade mfg | 718 | Potato, flaked, mfg |
| 763 | Plastic mfg | 684 | Pottery plant |
| 742 | Plastic outerware mfg | 545 | Pottery shop |
| 764 | Plastic part, product mfg | 893 | Pottery stge |
| 763 | Plastic powder mfg | 711 | Poultry, curing, dressing, etc |
| 863 | Plastic product storage | 651 | Poultry farm |
| 764 | Plastic products fabr | 715 | Poultry feed, stock dry |
| 764 | Plastic rods mfg | 719 | Poultry food, grit preparing |
| 764 | Plastic sheet fabr | 651 | Poultry house |
| 763 | Plastic solution mfg | 751 | Poultry house mfg, wood |
| 764 | Plastic toy mfg | 651 | Poultry raising |
| 863 | Plastics, storage | 513 | Poultry store |
| 684 | Plate mfg, china | 556 | Pound, animal |
| 753 | Plate mfg, hardwood | 726 | Powdered soap plant |
| 756 | Plate mfg, paper | 641 | Power house, electrical |
| 792 | Plate mfg, sensitized | 646 | Power house, steam |
| 682 | Plate, window glass plant | 642 | Power line, overhead |
| 744 | Platework mfg, industrial | 983 | Power line right of way |
| 794 | Platinum, assaying, smelting | 642 | Power line, underground |
| 795 | Player piano mfg | 143 | Power squadron club |
| 491 | Playhouse, childrens | 794 | Precious metal, assaying, smelting, etc |
| 181 | Playhouse, theater | 794 | Precious stone, cutting, etc |
| 758 | Playing card mfg | 774 | Precision chain mfg |
| 774 | Plow mfg, incl self-propelled | 774 | Prefabricated bldgs mfg, metal |
| 776 | Plug mfg, elec | 751 | Prefabricated structure mfg, wood |
| 773 | Plumbers supply mfg | 221 | Preparatory school, classroom |
| 873 | Plumbers supply storage | | |
| 562 | Plumbers tool sales | | |

bldg, boarding	853	Pulp stg
713 Preserve mfg	662	Pulpwood storage
774 Press machine mfg, hydr, mech	774	Pump mfg
774 Press mfg, printing	664	Pumping station, gas
773 Pressed metal pieces mfg, hot	645	Pumping station, oil
756 Pressed pulp goods mfg	647	Pumping station, sewage
751 Pressure impregnation plant	647	Pumping station, water
213 Primary school	962	Public street, paved
774 Prime mover mfg, nonelec	964	Public street, unpaved
758 Printing, commercial	787	Push chair mfg
765 Printing ink mfg	799	Puzzle mfg
774 Printing machine mfg	677	Pyrites, mining, quarrying
757 Printing, newspaper, magazine, etc	761	Pyrites processing
735 Printing plant, textile	772	Pyrophoric metal working
747 Printing roller mfg	762	Pyroxylin fabricating, mfg
865 Printing supply storage, misc	762	Pyroxylin reclaiming
855 Printing supply storage, flat paper	677	Quarry, chemicals, minerals
854 Printing supply storage, rolled paper	774	Quarry crushing machine mfg
341 Prison cell or cell block, men	676	Quarry, salt
342 Prison cell or cell block, women	675	Quarry, sand, gravel, stone
331 Prison hospital	774	Quarrying machine mfg
341 Prison, men	678	Quartz, mining, quarrying
344 Prison, minimum security type	743	Quilt mfg
221 Private boarding school	654	Rabbit raising
classroom bldg	123	Race track grandstand
881 Private garage	815	Race track stable
963 Private street	776	Radar mfg
963 Private way	632	Radar site
513 Produce sale, retail	791	Radiation measurement device mfg
812 Produce storage, crated, boxed	771	Radiator mfg, cast iron sections
813 Produce storage, loose, bagged	776	Radiator mfg, domestic elec
791 Professional instrument mfg	784	Radiator mfg, motor vehicle
593 Professional office, medical	632	Radio beacon
561 Professional supply sales	754	Radio cabinet mfg, wood
792 Projector mfg	632	Radio communications site
786 Propeller mfg, aircraft	776	Radio mfg
781 Propeller shaft mfg, over 65 ft loa	538	Radio repairs, w/o sales
782 Propeller shaft mfg, under 65 ft loa	532	Radio sales
773 Pruning knife mfg	185	Radio studio
593 Psychologist office	632	Radio, transmitting site
163 Pub	776	Radio and TV tubes, glass envelope mfg
754 Public building furniture mfg	611	Radioactive material, disposal
882 Public garage, parking	611	Radioactive material mfg
182 Public hall	611	Radioactive material, storage
852 Public household furniture stge	624	Radioactive material lab
884 Public works vehicle stg	612	Radioactive tracers processing
758 Publishing, book	739	Rag reclaiming
757 Publishing, newspaper, periodical, etc	739	Rag reworking mill
771 Puddling furnace	739	Rag shop
774 Pulp making mchry, mfg	829	Rag storage
755 Pulp mill	174	Rail passenger terminal, street level
	913	Railroad, constr, repair

914	Railroad, demolition	774	Refrigeration mchry mfg
894	Railroad freight terminal	776	Refrigerator mfg, unit type
783	Railroad repair shop	532	Refrigerator sales
951	Railroad right of way	932	Refuse disposal area
783	Railroad rolling stock, assembling	784	Registration plate mfg, motor veh
783	Railroad shop	591	Regulatory office
953	Railroad siding	234	Rehabilitation center, free attendance
954	Railroad signal equipment	336	Rehabilitation center, forced attendance
783	Railroad signal mfg	758	Relief stamping, paper
783	Railway coach mfg	545	Religious goods store
641	Railway, electric power plant	591	Religious organization office
887	Railway equip storage	713	Relish mfg
913	Railway roadbed, constr, repair	918	Remodeling, major, bldg vacated
914	Railway roadbed, demolition	913	Remodeling, major, other than bldg
176	Railway station, elevated	711	Rendering fat, edible
954	Railway subway car	918	Renovation, major, bldg vacated
771	Railway switch mfg	913	Renovation, major, other than bldg
771	Railway truck mfg	573	Repair garage
742	Raincoat mfg	574	Repair garage with motor vehicle sales
713	Raisin processing	573	Repair shop, auto
773	Rake mfg	632	Repeater site, radio, micro-wave
739	Ramie, spinning, weaving	627	Research laboratory
752	Rattan product mfg	593	Research organization office
827	Raw leather storage	881	Residential parking garage
867	Raw rubber products storage	221	Residential school building
717	Raw sugar refining	763	Resin mfg, synthetic
764	Rayon fiber mfg	661	Resin, natural, gathering
773	Razor blade mfg	311	Rest home, w/nursing staff
776	Razor mfg, elec	312	Rest home, w/o nursing staff
773	Razor mfg, nonelec	161	Restaurant
742	Ready-made clothing mfg	754	Restaurant furniture mfg
686	Ready-mix concrete plant	568	Restaurant supplies and services
774	Reaper mfg, incl self-propelled	747	Retreading tires
747	Rebuilding tires	773	Revolver mfg
747	Recapping tires	732	Ribbon mfg, cotton
776	Record mfg, sound, music	734	Ribbon mfg, mixed, other fiber
532	Record player sales	733	Ribbon mfg, wool or worsted
636	Record repository, documents	655	Rice growing
534	Record shop	715	Rice mill
113	Recreation center, facility, place	811	Rice storage, bulk
233	Recreational school	142	Riding club
591	Recruiting office	815	Riding stable
774	Reed mfg, for textile machine	142	Rifle club
752	Reed product mfg	773	Rifle mfg
726	Refinery, animal oil	781	Rigging mfg, marine, over 65 ft loa
767	Refinery, petroleum		
767	Refinery tankage		
769	Refinery, turpentine		
726	Refinery, vegetable oil		
343	Reform school		
341	Reformatory, men		
342	Reformatory, women		
675	Refractory clay, extraction from earth		
681	Refractory tile, brick mfg		

782	Rigging mfg, marine, under 65 ft loa	747	Rubber products mfg
941	River	867	Rubber products storage
773	Rivet mfg, metal	742	Rubber rainwear mfg
774	Road maintenance machine mfg	747	Rubber reclaiming
774	Road making machine mfg	747	Rubber scrap processing
884	Road mchry storage	747	Rubber shoe mfg, vulcanized
962	Road, public paved	799	Rubber stamp mfg
963	Road, private paved	541	Rubber stamp store
964	Road, unpaved	867	Rubber storage
774	Road roller machine mfg	747	Rubber toy mfg
513	Roadside stand, counter, produce	747	Rubber waste processing
164	Roadside stand, counter, eating	661	Rubber, wild, gathering
742	Robe mfg	648	Rubbish burner, industrial
786	Rocket airframe mfg	794	Ruby, cutting, mounting
762	Rocket fuel mfg	796	Rug, cleaning, dyeing
844	Rocket fuel stge	732	Rug mfg, cotton
631	Rocket launch site	734	Rug mfg, mixed fibers
762	Rocket mfg, signal	733	Rug mfg, wool
688	Rockwool mfg	826	Rug storage
764	Rod mfg, plastic	536	Rug store
774	Rod mfg, welding	774	Ruling machine mfg, printing
854	Rolled paper stge	721	Rum mfg
774	Roller bearing mfg	716	Rusk mfg
774	Roller mfg, for textile machine	753	Rustic furniture mfg
123	Roller rink, in arena	715	Rye, milling, flaking, rolling
115	Roller skating rink	743	Sack mfg
774	Rolling mill mchry, mfg	785	Saddle mfg, cycle
685	Roman cement mfg	746	Saddlery mfg
751	Roofing materials mfg, wood	591	Safe deposit firm
688	Roofing materials mfg, stone	773	Safe mfg
768	Roofing materials mfg, asphalt	682	Safety glass mfg
851	Roofing storage	715	Sago, grinding, splitting
555	Roofing supply sales	743	Sail mfg
681	Roofing tile, clay mfg	713	Salad dressing mfg
776	Room heater mfg, unit type	726	Salad oil mfg
431	Rooming house, 4-8 roomers	163	Saloon
432	Rooming house, 9-15 roomers	676	Salt crushing, screening, etc
441	Rooming house, over 15 roomers, yr rd	761	Salt mfg, chemical
715	Root peeling mill	676	Salt mining
737	Rope mfg	719	Salt packing, not at mine
853	Rope stge	719	Salt processing, not at mine
769	Rosin mfg	719	Salt refining, edible
783	Roundhouse	877	Salvage yard
742	Rubber clothing mfg	758	Sample mounting, printing
747	Rubber, dipping, mixing, etc	332	Sanatorium
747	Rubber footwear mfg, vulcanized	675	Sand, extraction from earth
522	Rubber goods store	688	Sand, washing, screening, etc
655	Rubber growing	776	Sander mfg, elec
747	Rubber hose mfg	687	Sandpaper mfg
747	Rubber mat mfg	675	Sandstone mining, quarrying
747	Rubber mfg, foamed	688	Sandstone, working
661	Rubber plantation	684	Sanitary earthenware mfg
		913	Sanitation project, constr, repair
		914	Sanitation project, demolition
		661	Sap, gathering, extracting, etc

794	Sapphire, cutting, mounting	215	Secondary school, day
751	Sash mfg, wood	521	Secondhand clothing sale
791	Satellite mfg, assembly	232	Secretarial school
632	Satellite tracking station	591	Security, broker, dealer
733	Satinet cloth mill	726	Seed cake mfg
713	Sauce processing	655	Seed crop
773	Saucepan mfg	726	Seed meal mfg
711	Sausage casing mfg	719	Seed preparation
592	Savings bank	811	Seed storage, bulk
592	Savings, loan institution	554	Seed store
773	Saw mfg, hand	565	Self-service dry cleaning
776	Saw mfg, electric	564	Self-service laundry
751	Saw, planing mill	794	Semi-precious stone working
751	Sawdust mfg	242	Seminary classroom building
751	Sawdust pile	792	Sensitized film mfg
751	Sawmill, in or out of forest	577	Service station, marine
774	Scale mfg	572	Service station, private
742	Scarf mfg	571	Service station, public
232	School, business, commercial	648	Sewage disposal plant
343	School, correctional	648	Sewer
233	School, dancing	913	Sewer, constr, repair
233	School, deaf, dumb or blind	914	Sewer, demolition
461	School dormitory	774	Sewing machine mfg, bookbinding
213	School, elementary	776	Sewing machine mfg
215	School, high	532	Sewing machine store
214	School, intermediate	773	Shackle mfg
214	School, junior high	754	Shade mfg, any material
221	School, private boarding, classroom	526	Shade store
343	School, reform	751	Shake splitting, wood
132	School, religious education only	767	Shale oil refining
233	School, specialty	766	Shampoo mfg
132	School, Sunday	776	Shaver mfg, dry, elec
231	School, trade, industrial	726	Shaving cream, soap mfg
231	School, vocational	773	Shears mfg
791	Scientific equipment mfg	916	Shed, contractors
688	Scientific glassware mfg	708	Shed, tool
593	Scientific organization office	766	Sheep dip mfg
773	Scissor mfg	654	Sheep raising
784	Scooter mfg, motorized	742	Sheepskin lined clothing mfg
771	Scrap iron, processing	744	Sheepskin mat mfg
877	Scrap recovery, reclaiming	745	Sheepskin rug mfg
747	Scrap rubber processing	745	Sheepskin, shearing
774	Scraper mfg, earth	774	Sheet metal working machine mfg
774	Screening machine mfg	773	Sheet metal working, base metal
773	Screw mfg	743	Sheet mfg
233	Sculpture, school for	758	Sheet music, publishing, printing
773	Scythe mfg	534	Sheet music sales
941	Sea, open	747	Sheet rubber mfg
714	Sea food, packing, canning, etc	754	Shelf mfg, any material
714	Sea food, salting, drying, etc	773	Shell case mfg, arms
756	Seal bottle, jar mfg	762	Shell filling, munitions
573	Seat cover shop, auto	799	Shell products mfg
785	Seat post mfg, cycle	765	Shellac mfg
754	Seat upholstered mfg for veh		
221	Secondary school, classroom bldg, boarding		

925	Shelter, fallout, storm or bomb	811	Silo, farm
751	Shingle mfg, wood	794	Silver & silver plate ware assembly mfg
781	Ship breaking yard	794	Silver, assaying, smelting, etc
781	Ship fabricating plant, over 65 ft	774	Silver can mfg, for textile machine
781	Ship parts mfg	673	Silver mining, quarry
781	Ship repairing, over 65 ft	794	Silverware mfg
885	Ship storage	824	Sisal storage, bales, bags
773	Shipping container mfg, metal	737	Sisal working
781	Shipyards, vessels over 65 ft	153	Site, historic
742	Shirt mfg	552	Skate shop
522	Shirt store	114	Skating rink, ice
784	Shock absorber mfg, motor veh	123	Skating rink, in arena
733	Shoddy mill	115	Skating rink, roller
741	Shoe accessory mfg	774	Ski lift mfg
754	Shoe case mfg	552	Ski shop
732	Shoe lace mfg, braided cotton	928	Ski tow
733	Shoe lace mfg, braided, wool	745	Skin mat mfg
734	Shoe lace mfg, braided fibers	828	Skin product storage
745	Shoe lace mfg, leather	828	Skin stge
774	Shoe mchry mfg	745	Skin, tanning, dressing, etc
741	Shoe mfg	742	Skirt mfg
765	Shoe polish mfg	773	Skylight mfg, metal
523	Shoe repair shop, store	742	Slacks mfg
523	Shoe repair with manufacture	675	Slate quarrying
523	Shoe shine stand, shop	688	Slate, working, cutting, etc
827	Shoe storage	711	Slaughter house
522	Shoe store	442	Sleeping area, hotel, seasonal
753	Shoe tree mfg	441	Sleeping area, hotel, yr round
113	Shooting gallery	743	Slip cover mfg
754	Shop front mfg	741	Slipper mfg
754	Shop furniture mfg	773	Small arms or accessory mfg
716	Shortbread mfg	772	Smelting
726	Shortening mfg	711	Smoke house, meat
835	Shortening stge	164	Snack bar
773	Shotgun mfg	718	Snack mfg
774	Shovel loader mfg, earth-moving	773	Snap fastener mfg, metal
714	Shrimp, packing, canning, etc	774	Snow blower mfg
931	Shrubbery, cultivated	554	Snow blower rental
754	Shutter mfg	725	Snuff plant
753	Shuttle mfg, for textile machine	838	Snuff storage
785	Side car mfg, assembly	726	Soap or detergent mfg
751	Siding mfg, wood	869	Soap storage
754	Sign lettering	675	Soapstone, mining, quarrying
754	Sign mfg	141	Social club, w/o sleeping
754	Sign painting		Social club, w/sleeping, See apartment
783	Signal mfg, railroad	736	Sock mfg, knitted
762	Signal rocket mfg	776	Socket mfg, elec
811	Silage storage	755	Soda pulp mfg
735	Silk, finishing	677	Sodium, mining, quarrying
799	Silk lamp shade mfg	761	Sodium processing
734	Silk mill	724	Soft drink mfg
734	Silk, spinning, etc	744	Sole, leather tannery
823	Silk storage, bales, bags	741	Sole mfg, leather or plastic

741	Sole mfg, wooden	758	Stamp, postage, printing
763	Solid resin mfg, synthetic	773	Stamped metal pieces mfg, drop
762	Solvent extraction	661	Standing timber
767	Solvent mfg	734	Staple fiber mfg
462	Sorority house	715	Starch plant
532	Sound equipment sales	837	Starch storage, bulk
776	Sound recording equip mfg	591	State capitol
719	Soup canning	591	State office
816	Soybean elevator	514	State store, liquor
715	Soybean, grinding, splitting	173	Station, bus
726	Soybean processing	176	Station, elevated
811	Soybean storage, bulk	888	Station, fire
791	Space measuring instrument mfg	345	Station, police
773	Spade mfg	174	Station, railroad, street level
716	Spaghetti mfg	175	Station, subway
773	Spanner mfg	756	Stationery mfg, incl printing
781	Spar mfg, vessels over 65 ft	541	Stationery store
782	Spar mfg, vessels under 65 ft	752	Stave mfg
233	Specialty school	141	Steam bath
792	Spectacle mfg	774	Steam boiler mfg
726	Sperm oil products	646	Steam generating plant
719	Spice processing	774	Steam pipeline
771	Spiegeleisen mfg	774	Steam roller mfg
774	Spindle mfg, for textile machine	774	Steam shovel mfg
774	Spinning machine mfg, textile	726	Stearin oil, refining or mfg
732	Spinning mill, cotton	771	Steel alloy mfg
734	Spinning mill, mixed, other fibers	771	Steel, basic products mfg
733	Spinning mill, wool or worsted	771	Steel, billets, blooms, etc
773	Spiral spring mfg	771	Steel conversion, forging
791	Splint mfg	771	Steel foundry, furnace, mill
716	Split pea mfg	771	Steel, smelting, refining, etc
747	Sponge mfg, rubber or synthetic	773	Steel spring mfg
747	Sponge rubber mfg	771	Steel stripping
774	Spool mfg, for textile machine	774	Steelwork mfg, building, bridge
773	Spoon mfg, nonprecious metal	784	Steering gear mfg, motor vehicle
794	Spoon mfg, precious metal	799	Stencil mfg
746	Sporting goods mfg, leather	595	Stenographic services firm
798	Sporting goods mfg, non-leather	757	Stereotyping, newspaper, magazine
552	Sporting goods store	758	Stereotyping, all other
773	Sporting guns mfg	561	Stethoscope sales
123	Sports arena	736	Stocking mfg, knitted
737	Sports net mfg	711	Stockyard abattoir
521	Sportswear shop	817	Stockyard livestock stge
774	Spring balance mfg	774	Stoker mfg
773	Spring mfg, steel	688	Stone crushing
815	Stable	675	Stone quarrying
123	Stadium	688	Stone, shaping, grinding, etc
765	Stain mfg, wood, varnish	681	Stoneware pipe, conduit mfg
682	Stained glass mfg	753	Stopper mfg, cork
799	Stamp mfg, embossing, metal	891	Storage, general
799	Stamp mfg, rubber	562	Store fixture sales
		754	Store front mfg
		754	Store shutter mfg
		754	Storm door mfg

925	Storm shelter	677	Sulfur, natural, mining
723	Stout mfg	761	Sulfur, natural, processing
681	Stove lining, mfg brick	677	Sulfur ore mining
771	Stove mfg, cast iron	761	Sulfur ore, processing
776	Stove mfg, elec	412	Summer cottage, in summer, 1-family
773	Stove mfg, not cast iron, nonelec	181	Summer stock theater
765	Stove polish mfg	132	Sunday school
532	Stove sales	511	Supermarket, over 10,000 sq ft
746	Strap mfg, leather	512	Supermarket, under 10,000 sq ft
742	Straw hat mfg	162	Supper club
739	Straw mat mfg	593	Surgeons office
756	Straw mfg, paper	791	Surgical supply mfg
737	Straw, rope, cord, etc	521	Surplus store
931	Straw stack	594	Surveyors office
962	Street, paved public	742	Suspender mfg
913	Street, constr, repair	913	Swimming pool, constr, repair
914	Street, demolition	914	Swimming pool, demolition
174	Street level rail terminal	116	Swimming pool or equipment
914	Street paving	952	Switchyard
783	Street railway painting shop	954	Switch control equipment, railroad
783	Street railway repair shop	776	Switch mfg, elec
887	Street railway storage house	776	Switchboard mfg, telephone
783	Streetcar assembling, mfg	775	Switchgear mfg, elec
795	String instrument mfg	773	Sword mfg
737	String mfg	131	Synagogue
761	Strontium minerals processing	761	Synthetic dye mfg
677	Strontium minerals, mining	761	Synthetic fertilizer mfg
681	Structural clay product mfg	734	Synthetic fiber, carding, etc
893	Structural clay products storage ^o	735	Synthetic fiber, finishing
771	Structural steel mfg	764	Synthetic fiber mfg
871	Structural steel storage	734	Synthetic fiber, part process mill
141	Student club	823	Synthetic fiber storage, bales, bags
461	Student dormitory	763	Synthetic resin mfg
141	Student union	763	Synthetic rubber mfg
113	Studio, dance	747	Synthetic rubber product mfg
186	Studio, motion-picture	683	Syphon, glass mfg
553	Studio, photography, still picture	724	Syrup mfg, flavoring
185	Studio, radio and TV		
662	Stump storage, wood	754	Table mfg, any material
642	Substation, elec	726	Table oil mfg
783	Subway car mfg	743	Tablecloth mfg
913	Subway, constr, repair	794	Tableware mfg, metal or stones
914	Subway, demolition	776	Tabulating machine mfg
641	Subway, elec power plant	756	Tabulating machine card mfg
175	Subway station	799	Tag mfg
711	Suet mfg	524	Tailor shop
717	Sugar beet or cane refining	742	Tailor-made clothing mfg
836	Sugar storage, bulk	675	Talc, mining, quarrying
831	Sugar storage, packaged	688	Talc works
717	Sugar syrup refining	726	Tallow mfg
742	Suit mfg	726	Tallow oil, refining
746	Suitcase mfg	841	Tank farm
755	Sulphate, sulphite pulp mfg		

841	Tank storage, flammable liquids	422	Tenement, 3-6 units
842	Tank storage, gas	423	Tenement, 7-20 units
843	Tank storage, LP-Gas	424	Tenement, over 20 units
745	Tannery, fur, skin, pelt, hide	142	Tennis club
744	Tannery, leather	913	Tennis court, constr, repair
761	Tanning extract mfg	914	Tennis court, demolition
776	Tape mfg, recording	743	Tent mfg
732	Tape mfg, woven cotton	552	Tent sales
734	Tape mfg, woven, mixed fibers	171	Terminal, airport
776	Tape recorder mfg	173	Terminal, bus, limousine
726	Taper mfg, candles	176	Terminal, elevated
163	Taproom	894	Terminal, freight
768	Tar coated paper mfg	816	Terminal grain elevator
767	Tar distillation	177	Terminal, marine
743	Tarpaulin mfg	171	Terminal, passenger, airport
163	Tavern, w/o sleeping accommodations	174	Terminal, street level
441	Tavern, w/sleeping accommodations, yr rd	175	Terminal, subway
784	Taxicab mfg, assembly	894	Terminal, warehouse
883	Taxicab parking	771	Terneplate mfg
973	Taxiway	681	Terra cotta mfg
752	Tea chest mfg	784	Test cell, engine
655	Tea growing	735	Textile finishing
719	Tea leaf processing	774	Textile mchry mfg
773	Teapot mfg, metal, w/o heating element	826	Textile product storage
776	Teapot mfg, metal, w/heating element	826	Textile product storage, finished
774	Teasel rod mfg, for textile machine	526	Textile store
231	Technical school	826	Textiles storage
791	Teeth mfg, artificial, false	181	Theater, combined use
776	Telegraph apparatus mfg	184	Theater, drive-in
913	Telegraph line, constr, repair	181	Theater, legitimate
914	Telegraph line, demolition	183	Theater, motion picture
751	Telegraph pole mfg	776	Therapeutic apparatus mfg
776	Telephone apparatus mfg	776	Thermistor mfg
634	Telephone exchange	776	Thermostat mfg
913	Telephone line, constr, repair	865	Thinner storage
914	Telephone line, demolition	732	Thread mill, cotton
776	Teleprinter mfg	734	Thread mill, mixed other fibers
792	Telescope mfg	733	Thread mill, wool or worsted
548	Telescope sales	739	Thread reworking mill
776	Teletype machine mfg	774	Thresher mfg, incl self-propelled
754	Television cabinet mfg, wood	123	Ticket office, sporting events
776	Television mfg	758	Ticket printing
538	Television repairs, w/o sales	522	Tie store
532	Television sales	738	Tile mfg, asphalt, vinyl, linoleum
131	Temple	747	Tile mfg, rubber floor
583	Ten cent store, over 10,000 sq ft	681	Tile plant, clay products
582	Ten cent store, under 10,000 sq ft	662	Timber, hewing, rough shaping
421	Tenement, 1-2 units, w/bus	661	Timber, planting, replanting
		661	Timber standing
		662	Timber, yard storage

793	Time lock mfg	591	Town hall
793	Time recorder mfg	591	Town office building
776	Time switch mfg, elec	798	Toy mfg, nonrubber
793	Timer mfg	747	Toy mfg, rubber
773	Tin can mfg	551	Toy store
673	Tin minc, quarry	758	Tract, publishing, printing
772	Tin products mfg	774	Tractor mfg
772	Tin, refining, smelting, etc	574	Tractor sales
773	Tin stamping, cold pressing	757	Trade journal publishing
772	Tin wire drawing	231	Trade school
773	Tinware mfg	562	Trade supply sales
747	Tire mfg	775	Traffic indicator mfg, vehicle
747	Tire recapping, repair	776	Traffic signaling apparatus mfg
877	Tire salvage	473	Trailer camping
867	Tire storage	784	Trailer, mfg, assembly
575	Tire store	574	Trailer sales
773	Titanium, hollowware mfg	472	Trailer, travel
772	Titanium refining, smelting	642	Transformer
773	Titanium, stamping, etc	775	Transformer mfg
772	Titanium wire drawing	642	Transformer vault
776	Toaster mfg, domestic	776	Transistor mfg
656	Tobacco curing, drying shed	894	Transit shed
655	Tobacco growing	774	Transmission chain mfg
725	Tobacco plant	644	Transmission line, gas
656	Tobacco preparing	645	Transmission line, oil
838	Tobacco products storage	784	Transmission mfg, motor vehicle
542	Tobacco shop	776	Transmitter mfg
725	Tobacco, stemming	632	Transmitter site, radar
814	Tobacco storage, loose or baled	632	Transmitter site, radio, TV
717	Toffee mfg	632	Transmitter site, tracking station
799	Toilet brush mfg	663	Trapping
756	Toilet paper mfg	472	Travel trailer, temporary family unit
766	Toiletries mfg	664	Tree
924	Toll station	662	Trees, felling, rough cutting
766	Toners mfg	921	Trestle
774	Tool holder mfg, metal	785	Tricycle mfg
774	Tool mfg	641	Trolley car, electric power plant
791	Tool mfg, engineers	887	Trolley car storage
776	Tool mfg, flexible shaft, portable	784	Troop carrier mfg, assembly
773	Tool mfg, hand	742	Trouser mfg
776	Tool mfg, power	575	Truck accessory store
818	Tool shed	894	Truck freight terminal
873	Tool storage	632	Truck, mobile communications
766	Tooth paste mfg	883	Truck parking area
766	Tooth powder mfg	884	Truck repair, equip storage
799	Toothbrush mfg	574	Truck sales
573	Top shop, motor vehicle	784	Truck mfg, assembly
773	Torpedo case mfg	791	Trunk mfg
451	Tourist cabin	791	Truss mfg
431	Tourist home, 4-8 roomers	752	Tub mfg
432	Tourist home, 9-15 roomers		
441	Tourist home, over 15 roomers, yr rd		
743	Towel mfg		

682	Tube electronic glass envelope mfg	765	Varnish mfg
773	Tube mfg, collapsible	865	Varnish storage
776	Tube mfg, elec vacuum	752	Vat mfg
771	Tube mfg, flexible, iron or steel	773	Vault door mfg
747	Tube mfg, inner tube, rubber	642	Vault, electrical
764	Tube mfg, plastic	636	Vault, records
682	Tubing, glass mfg	642	Vault, transformer
747	Tubing mfg, rubber	713	Vegetable canning
922	Tunnel	713	Vegetable, dehydrating, quick-freeze
913	Tunnel, constr, repair	719	Vegetable dye mfg
914	Tunnel, demolition	655	Vegetable growing
781	Turbine mfg, repairs, marine	713	Vegetable juices, packing
775	Turn indicator mfg, vehicle	726	Vegetable oil refinery
765	Turpentine refinery	657	Vegetable packing, as picked
185	TV studio	713	Vegetable packing
632	TV transmitting site	787	Vehicle mfg, animal or hand drawn
776	TV tube mfg	784	Vehicle mfg, assembly
682	TV tubes, glass envelope mfg	732	Veil, veiling mfg, cotton
737	Twine plant	734	Veil, veiling mfg, mixed fibers
773	Type foundry	733	Veil, veiling mfg, wool
774	Typesetting machine mfg	751	Veneer mfg
758	Typesetting, misc	774	Ventilating mchry mfg
757	Typesetting, newspaper	716	Vermicelli mfg
776	Typewriter mfg, elec, manual	742	Vestment mfg
538	Typewriter repair w/o sales	766	Veterinary chemicals mfg
799	Typewriter ribbon mfg	556	Veterinary service
531	Typewriter sales, w/repair	913	Viaduct, constr, repair
794	U.S. mint	914	Viaduct, demolition
742	Umbrella mfg	773	Vice mfg, metal
522	Umbrella store	776	Victrola mfg
965	Uncovered parking area	713	Vinegar mfg
925	Underground shelter	733	Virgin wool working
742	Underwear mfg	346	Vocational rehabilitation center
742	Uniform mfg	231	Vocational school
242	University classroom building	739	Wadding mfg, all fibers
461	University dormitory	787	Wagon mfg, horse drawn
915	Unoccupied bldg	742	Walking stick mfg
964	Unpaved street, road, path	535	Wall covering sales
754	Upholstering plant	773	Wall mfg, curtain-wall, metal
739	Upholstery filling mfg	773	Wall mfg, metal
751	Upholstery fill mfg, wood	756	Wall paper mfg, incl printing
531	Upholstery store	535	Wall paper store
744	Upper shoe leather tanning	891	Warehouse, general storage
642	Utility pole	773	Washer mfg, metal
915	Vacant bldg	774	Washing machine mfg
931	Vacant lot	532	Washing machine sales
776	Vacuum cleaner mfg, elec	776	Washing mchry mfg, elec
683	Vacuum flask, glass mfg	739	Waste, batting mill
774	Valve mfg, mechanical	877	Waste paper reclaiming
776	Valve mfg, elec	755	Waste paper sorting
583	Variety store, over 10,000 sq ft	855	Waste paper stge
582	Variety store under 10,000 sq ft		

747	Waste rubber processing	846	Whiskey storage
733	Waste wool recovery	765	White lead paste mfg
793	Watch mfg	799	Wig mfg
544	Watch repair shop	525	Wig sales
544	Watch sales	752	Willow product mfg
793	Watchcase mfg	775	Winch mfg, elec
611	Water, heavy	774	Winch mfg, nonelec
913	Water main, constr, repair	795	Wind instrument mfg
914	Water main, demolition	774	Winding machine mfg, textile
913	Water power project, constr, repair	682	Window glass mfg
914	Water power project, demolition	773	Window sash mfg, metal
647	Water reservoir	751	Window sash mfg, wood
647	Water tank	754	Window shade plant
942	Water taxi, under 1,000 gt, over 65 ft	535	Window shade store
647	Water treatment	773	Window, storm or screen mfg, metal
913	Water well, constr, repair	751	Window, storm or screen mfg, wood
914	Water well, demolition	567	Window washing firm
647	Water works	722	Wine mfg
742	Waterproof outerwear mfg	766	Wine mfg, medicated
913	Waterway, constr, repair	846	Wine storage
914	Waterway, demolition	722	Winery
767	Wax mfg, paraffin	412	Winter cottage, in winter, 1-family
765	Wax products mfg	413	Winter cottage, in summer, 1-family
736	Wearing apparel mfg, knitted	785	Wiper mfg, cycle
743	Wearing apparel mfg, not knitted	784	Wiper mfg, motor vehicle
521	Wearing apparel sale, rental	771	Wire drawing, ferrous
826	Wearing apparel storage	774	Wire drawing machine mfg
774	Weaving machine mfg, textile	772	Wire drawing, nonferrous
732	Weaving mill, cotton	773	Wire gauze mfg
734	Weaving mill, mixed, other fibers	754	Wire mattress mfg
733	Weaving mill, wool or worsted	773	Wire mfg, exc drawing
732	Webbing mfg, cotton	776	Wire mfg, insulated elec
734	Webbing mfg, mixed, other fibers	773	Wire nail mfg
733	Webbing mfg, wool or worsted	773	Wire net mfg
769	Weed killer mfg	773	Wire products mfg
774	Weighing machine mfg	774	Wire rope making mchry mfg
774	Welding electrode mfg	775	Wiring harness mfg, vehicle
774	Welding mchry mfg, nonelec	342	Women detention home
775	Welding mchry mfg, elec	753	Wood block mfg
774	Welding rod mfg	782	Wood boat mfg
773	Welding shop	751	Wood building products mfg
561	Welding supply sales	753	Wood carving mfg
674	Well, oil gas	666	Wood chip pile
726	Whale oil refining	752	Wood container mfg
898	Wharf	751	Wood fiber product plant
715	Wheat, milling, preparation	751	Wood flooring mfg
785	Wheel mfg, cycle	751	Wood flour mfg
784	Wheel mfg, motor vehicle	753	Wood heel mfg
787	Wheelbarrow mfg	753	Wood last mfg
746	Whip mfg, leather	662	Wood logs for fuel, storage
721	Whiskey distillery	753	Wood pin mfg, bowling pin mfg
		751	Wood preserving plant

753	Wood products mfg	733	Worsted yarn, spinning, doubling, winding
852	Wood products storage	755	Wrapping paper mfg
853	Wood pulp stge	773	Wrench mfg
753	Wood rack mfg	765	Writing ink mfg
751	Wood roofing mfg	756	Writing pad mfg, incl blank books
753	Wood saddlery mfg	755	Writing paper mfg
751	Wood, sawing, planing, etc	771	Wrought iron works
751	Wood sleeper mfg	776	X-ray apparatus mfg
753	Wood sole mfg	868	X-ray film storage
765	Wood stain mfg	776	X-ray machine mfg
753	Wood toy mfg	441	Y.M.C.A. w/sleeping, yr rd
751	Wood treating plant	141	Y.M.C.A./Y.W.C.A. no sleeping
752	Wood tube mfg	441	Y.W.C.A. w/sleeping, yr rd
758	Woodcuts mfg	143	Yacht club
751	Wooden door mfg	143	Yachting club
795	Wooden furniture mfg	885	Yachting club, mooring, launching facility
795	Wooden musical instrument mfg	825	Yard goods storage
661	Woodland maintenance	526	Yard goods store
753	Woodware mfg	732	Yarn mfg, cotton
751	Woodwork mfg	734	Yarn mfg, mixed, other fibers
753	Woodworking, off building site	733	Yarn mfg, wool or worsted
751	Woodworking, on building site	732	Yarn mill, cotton
733	Wool blending, cleaning, combing	734	Yarn mill, mixed, other fibers
735	Wool finishing	733	Yarn mill, wool or worsted
733	Wool, full process mill	739	Yarn reworking mill
726	Wool grease, refining	526	Yarn shop
742	Wool hat mfg	825	Yarn storage
733	Wool, part process mill	719	Yeast mfg
654	Wool production	773	Zinc hollow ware mfg
733	Wool recovery	673	Zinc mine, quarry
733	Wool reworking mill	773	Zinc nail mfg
733	Wool scouring plant	772	Zinc refining, smelting, etc
733	Wool sorting plant	773	Zinc, stamping, cold pressing
733	Wool, spinning, carding, etc	772	Zinc wire drawing
822	Wool storage, bales, bags		
774	Work holder mfg, metal		
464	Workers barracks		
735	Worsted, finishing		
733	Worsted, spinning, etc		

B6 Alphabetical List of Mobile Property Use

- | | |
|--|--|
| 52 Aircraft, 12,500 lbs and over | 48 Fishing vessel, commercial |
| 51 Aircraft, 12,499 lbs and under | 48 Fishing vessel, factory type |
| 58 Aircraft, ground effect,
non-military | 44 Flammable liquid tanker ship |
| 56 Aircraft, military combat | 63 Forklift truck |
| 57 Aircraft, military noncombat | 32 Freight car, railroad |
| 53 Aircraft, reciprocating engine,
fixed wing | 46 Freight |
| 54 Aircraft, turbine engine,
fixed wing | 25 Fuel oil truck |
| 55 Aircraft, vertical take-off | 64 Gantry crane |
| 13 All terrain vehicle | 25 Gasoline tank truck |
| 11 Ambulance | 59 Glider |
| 56 Attack bomber | 13 Golf cart |
| 11 Automobile, passenger | 61 Grader |
| 59 Balloon | 65 Hay baler |
| 47 Balloon, towed petroleum | 11 Hearse |
| 47 Barge | 61 Heavy construction equipment |
| 47 Barge, tank | 55 Helicopter, nonmilitary |
| 13 Bicycle, motorized | 58 Hovercraft, nonmilitary |
| 48 Boat, commercial fishing | 17 Industrial trailer |
| 36 Budd car | 63 Industrial truck |
| 61 Bulldozer | 59 Kite |
| 42 Buoy maintenance vessel | 71 Lawn mower |
| 12 Bus | 63 Lift truck |
| 11 Cab | 59 Lighter than air machine |
| 37 Caboose | 11 Limousine |
| 16 Camping trailer | 21 Linen service truck |
| 11 Car, automobile | 48 Lobster fishing vessel |
| 46 Cargo ship | 35 Locomotive |
| 48 Clam digging,
harvesting vessel | 26 LP-gas transport truck |
| 45 Combat ship | 21 Mail truck |
| 65 Combine | 62 Marine pile driving equipt. |
| 17 Commercial trailer | 63 Materials handling equipt. |
| 26 Compressed gas truck | 57 Military cargo aircraft |
| 62 Construction equipment | 57 Military training aircraft |
| 65 Corn picker | 57 Military utility aircraft |
| 48 Crab gathering vessel | 68 Missile, air or space borne |
| 64 Crane, mobile or fixed | 64 Mobile crane |
| 21 Diaper service truck | 21 Mobile post office |
| 31 Dining car, railroad | 36 Monorail |
| 59 Dirigible | 13 Motor bike |
| 61 Dredge | 41 Motorboat, outboard |
| 66 Drilling rig, petroleum or gas | 41 Motorboat, under 65 ft. loa |
| 62 Drilling rig, water | 42 Motorboat, under 1,000 gt,
over 65 ft. |
| 13 Dune buggy | 13 Motorcycle |
| 21 Dump truck | 14 Motor home |
| 61 Earth mover | 48 Ocean products gathering vessel |
| 48 Factory vessel | 43 Passenger ship |
| 65 Farm tractor | 56 Patrol aircraft |
| 42 Ferry under 1,000 gt, over 65 ft. | 22 Pedicab |
| 56 Fighter aircraft | 47 Petroleum balloon |
| 41 Fire boat, under 65 ft. loa | 22 Pickup truck |
| 48 Fishing boat, charter | 62 Pile driving equipt. |
| | 17 Professional trailer |
| | 11 Race car |
| | 35 Railroad locomotive |

37	Railroad maintenance equipt.	12	Tour bus
31	Railroad rolling stock, passenger	12	Trackless trolley
32	Railroad rolling stock, freight	65	Tractor
33	Railroad tank car	17	Trailer, commercial
37	Railroad wreck clearing equipt.	17	Trailer, industrial
31	Railway car, passenger	17	Trailer, professional
32	Railway express car	26	Trash truck
36	Railway, street car	15	Travel trailer
36	Railway, subway	36	Trolley car
57	Reconnaissance aircraft	21	Truck, cement
61	Road grader	25	Truck, chemical tank
68	Rocket, military	26	Truck, compressed gas tank
49	Sailboat w/o aux power	21	Truck, farm
41	Sailing vessel, under 65 ft. loa with aux power	25	Truck, flammable liquid
48	Sardine catching vessel	63	Truck, fork lift
12	School bus	21	Truck, general
42	Schooner under 1,000 gt, over 65 ft.	21	Truck, mail
13	Scooter, motorized	25	Truck, tank, not compressed gas
43	Ship, passenger	27	Truck, trash
44	Ship, tank	41	Tugboat, under 65 ft. loa
45	Ship, war, combat	42	Tugboat, under 1,000 gt, over 65 ft.
12	Sight-seeing bus	55	Vertical takeoff aircraft, nonmilitary
71	Snow blower	42	Vessel, water, under 1,000 gt, over 65 ft.
13	Snowmobile	22	Wagon
68	Space vehicle	45	Warship
41	Speed boat under 65 ft. loa	62	Well drilling rig, water
36	Street car	66	Well drilling rig, petroleum or gas
36	Subway car	48	Whaling, factory vessel
35	Switch engine	41	Yacht, under 65 ft. loa
33	Tank car, railroad	42	Yacht, under 1,000 gt, over 65 ft.
25	Tank truck, flammable liquid		
44	Tanker ship		
11	Taxicab		

loa — length over all

gt — gross ton

Chapter C. Property Inventory, General

C1. Property Inventory Discussion

C11. A great deal of information is available about the buildings of a city or town before an alarm in one of these buildings. This information can be collected before the fire and can create an inventory of property for use in pre-planning. This is the tactical use. Another use is the strategic — the placing of fire stations and equipment in localities where they will best serve anticipated needs.

C12. The standard property inventory is suggested for use by a fire department in connection with important properties or those presenting unusual hazards. The inventory can be of value both with relation to preplanning of prospective fires and to post mortems on actual fires. It can also be of value to various governmental authorities, as well as to owners and to insurance companies. Serious consideration should, therefore, be given to the making of the inventory a matter of public record.

C13. The first step of the property inventory is to locate the property geographically and with relation to water supply. This step is taken in the "location of the property" and in Sections CA through CD. Of course, the state or province code is necessary only for reports submitted to a national organization.

C14. The next is to describe the obvious features — what can be seen or inferred from an outside inspection or by reference to municipal records. This step is taken in Sections CE through CH.

C15. The third step is to describe the construction and other factors which will influence fire fighting, so far as they can be determined in advance. This step is taken in Chapter D.

C2. Location of Property

The following items identify the location of the property about which information is being collected.

- a. Street or streets (include street number)
- b. Local name or designation
- c. Community or subdivision — zip code
- d. Box or census tract number*

*The Census Tract No. is desirable to use since so many sociological factors are known about census tracts. Fire often depends on the characteristics of people living in the area.

- e. City, county, state, or province
- f. Property representative to contact
- g. Telephone number of property representative

C3. State and Province Codes

States and provinces may be coded either alphabetically or numerically, as follows:

Alabama	AL	1	New York	NY	33
Alaska	AK	2	North Carolina	NC	34
Arizona	AZ	3	North Dakota	ND	35
Arkansas	AR	4	Ohio	OH	36
California	CA	5	Oklahoma	OK	37
Colorado	CO	6	Oregon	OR	38
Connecticut	CT	7	Pennsylvania	PA	39
Delaware	DE	8	Rhode Island	RI	40
District of Columbia	DC	9	South Carolina	SC	41
Florida	FL	10	South Dakota	SD	42
Georgia	GA	11	Tennessee	TN	43
Hawaii	HI	12	Texas	TX	44
Idaho	ID	13	Utah	UT	45
Illinois	IL	14	Vermont	VT	46
Indiana	IN	15	Virginia	VA	47
Iowa	IA	16	Washington	WA	48
Kansas	KS	17	West Virginia	WV	49
Kentucky	KY	18	Wisconsin	WI	50
Louisiana	LA	19	Wyoming	WY	51
Maine	ME	20			
Maryland	MD	21	Alberta	AT	60
Massachusetts	MA	22	British Columbia	BC	61
Michigan	MI	23	Manitoba	MB	62
Minnesota	MN	24	New Brunswick	BR	63
Mississippi	MS	25	Newfoundland	NF	64
Missouri	MO	26	Nova Scotia	NS	65
Montana	MT	27	Ontario	ON	66
Nebraska	NE	28	Prince Edward Island	PE	67
Nevada	NV	29	Quebec	PQ	68
New Hampshire	NH	30	Saskatchewan	SK	69
New Jersey	NJ	31	Yukon or Northwest		
New Mexico	NM	32	Territory	YT	70

C4. The following specific preignition information may be collected before or after the incident.

CA. Water Supply-Type

1. Within Recognized Water System
Hydrants within 500 ft.
2. Within Recognized Water System
Hydrants between 500 and 999 feet away
3. Within Recognized Water System
Hydrants 1,000 feet or more away
4. Outside Recognized Water System
Private water source within 500 feet

5. Outside Recognized Water System

Private water source between 500 and 999 feet away

6. Outside Recognized Water System**9. Not elsewhere classified****0. Not reported****CB. Water Supply-Flow**

The water supply-flow can best be determined by actual water flow tests on hydrants, but as many fire departments do not make these tests, or cannot obtain them from other departments of the city government, an alternative method of estimating the adequacy of water supply is suggested in Section CC. What is wanted is the water flow immediately available to the first responding apparatus (no relay pumping). In general, for most properties, a water flow is considered adequate if it provides 1500 or more gallons per minute, or if it is taken off an 8-inch main. Properties within a congested section of a city may need more, while 1 or 2 family dwellings, if sufficiently separated from each other, probably need less.

1. Less than 250 gpm.**2. 250-499 gpm.****3. 500-749 gpm.****4. 750-999 gpm.****5. 1000-1499 gpm.****6. 1500-1999 gpm.****7. 2000 gpm and over.****9. No water main.****0. Not reported.****CC. Size of Water Main****1. 4 in. diam.****2. 5 in. diam.****3. 6 in. diam.****4. 8 in. diam.****5. 10 in. diam.****6. 12 in. diam.****7. 14 in. or over diam.****9. No water main.****0. Not reported.****CD. Water Tank Capacity Responding to First Alarm****1. Less than 200 gallons****2. 200-499 gallons****3. 500-999 gallons****4. 1000 gallons or over****0. Not reported.****CE. Fixed Property Type**

The property type is what kind of a structure is involved. The major type is, of course, a building, and this is subdivided into two sub-classes depending upon occupancy (property classification, Chapter B).

1. Building — single or double occupancy**2. Building — multiple occupancy**

3. Open structure
Includes roof with no walls, open steel framing, bridge, trestle, outdoor process equipment.
4. Tent, air supported structure
5. Outdoor area — Public
6. Outdoor area — Private
7. Underground structure or mine
9. Not elsewhere classified — specify in detail
0. Not reported

CF. Year of Construction and Building Height

The year of construction, in many cases, will have to be an approximation, but the important point in a number of cities is to distinguish between "old law" and "new law" properties.

For building height, enter the number of stories above grade, for a building; and for another type of structure the equivalent in number of stories. Measure or estimate to the highest structural member or peak, not including flag poles, antennas, and the like. It is to be noted that a 100-foot aerial ladder has a limit of about 8-9 stories in reach, if permitted to locate adjacent to the building.

CG. Ground Floor Area

The term "ground floor area" should be treated with a little elasticity, in view of the character of some modern buildings. The purpose is to determine whether or not it is possible to fight a fire successfully using only hose streams from the outside of the structure. Parts of a building over 150 feet by 150 feet are generally beyond reach of such hose streams.

1. 0-999 sq. ft.
2. 1000-4999 sq. ft.
3. 5000-9999 sq. ft.
4. 10,000-24,999 sq. ft.
5. 25,000-49,999 sq. ft.
6. 50,000-99,999 sq. ft.
7. 100,000-499,999 sq. ft.
8. 500,000 sq. ft. and over
0. Not reported or not applicable

CH. Property Management

The information in this section can generally be obtained from the assessor's office, or its equivalent. If it is not considered necessary to make such a detailed breakdown as the following, a simplified system of 1-private property and 3-government property may be used.

1. Private property — tax paying
2. Private property — non-tax paying
3. Government property — local, county
4. Government property — state, province, except military
5. Government property — central, federal, except military
6. Government property — foreign
7. Government property — military
9. Not elsewhere classified
0. Not reported

Chapter D.

Property Inventory, Fire Fighting Factors

DA. Construction Method

1. Site built
2. Precut — site assembled
3. Factory built — moved to site
9. Not elsewhere classified
0. Unable to determine or not reported

DB. Construction

One of the most important items in the property inventory is the building construction. The construction classes are taken from NFPA No. 220. Fire resistive ratings are determined by Standard Methods for Fire Tests, NFPA No. 251, ASTM-E119, UL 263. Both heavy timber and ordinary construction classes have exterior bearing walls of noncombustible construction having a minimum fire resistance of 2 hours and stability under fire conditions; while roofs, floors, and interior framing are of combustible materials. The combustible materials must be heavier and stronger in heavy timber construction.

1. Fire resistive
2. Heavy timber
3. Protected noncombustible
4. Unprotected noncombustible, not qualifying for 3
5. Protected ordinary
6. Unprotected ordinary, not qualifying for 5
7. Protected wood frame
8. Unprotected wood frame, not qualifying for 7
0. Not reported

DC. Roof Covering

The roof covering type is defined in NFPA Manual No. 203M.

1. Class A roof covering
2. Class B roof covering
3. Class C roof covering of composition or prepared materials
4. Class C roof covering — treated and listed wood shingles and wood shakes
5. Untreated wood shingles or shakes
6. Unrated roof covering
9. Not elsewhere classified
0. Not reported

DD. Building Capacity

The building capacity is the measure of the number of people the structure can safely accommodate at any one time. For details, see the Safety to Life Code, NFPA No. 101. Suggested codes are as follows:

1. Under 10 people
2. 10-49 people
3. Class C, 50-99 people
4. Class C, 100-299 people
5. Class B, 300-499 people
6. Class B, 500-999 people
7. Class A, 1,000 people or more
0. Not reported

DE. Property Value

While the fire department may not pay too much attention to property value (the main objectives are rescue and extinguishment, irrespective of value), still it is of some significance to know what a property is worth. Suggested estimated value groupings are as follows:

1. 0-999 dollars
2. 1000-9999 dollars
3. 10,000-24,999 dollars
4. 25,000-99,999 dollars
5. 100,000-249,999 dollars
6. 250,000-999,999 dollars
7. 1,000,000-4,999,999 dollars
8. 5,000,000 dollars and over
9. Privileged information — value not available
0. Not reported

DF. Fire Protection Facilities

The fire protection facilities which are already in place and functioning, to protect a building constructed and occupied in the manner coded above, is the subject of this section. The facilities are, for the most part, private protection, installed by the owner. Their presence should be known by a municipal department entrusted with the task of extinguishing a possible fire in the building. Their presence can be indicated by check marks in appropriate boxes on a form similar to the one which follows.

1. Sprinkler Systems (NFPA 13) _____
Describe type of system, complete

or partial protection, location of F.D. connection and control valves
2. Standpipe and hose systems (NFPA 14) _____
Describe wet or dry sys-

tems, location, and location of valves and pumper connection
3. Portable fire extinguishers on property (NFPA 10) _____

describe types and give general coverage
4. Pond, river, canal, cistern, reservoir, swimming pool or other source of water available _____

describe and give location
5. Protection for special hazards (NFPA 11, 12, 12A, 13, 15, 17) _____

describe briefly
6. Signaling or fire warning systems (NFPA 71, 72) _____

type of system and give areas of coverage
7. Private brigade (NFPA 27) _____

describe briefly
8. Supervised watchman or guard (NFPA 601) _____

describe briefly
9. Other aids to fire fighting _____

specify

DG. Obstacles to Fire Rescue

Fire rescue is the first responsibility of a fire department when it reaches a fire, and the obstacles it may find in discharging that responsibility should certainly be known beforehand. Some of these obstacles may be determined by looking at the outside of the building, but most may not. The "means of egress" is the total path to be followed by an occupant in getting outside the building, including corridors, stairways, fire escapes, and doors or windows. See Life Safety Code, NFPA 101, for details.

1. Windowless buildings _____
2. Stationary or steel sash, casement or storm windows _____
3. Insufficient exits or means of egress _____

describe conditions briefly

4. Obstructed, locked, unlighted, or inaccessible means of egress, incl. improper hardware or identification _____

describe conditions briefly

5. Excessive flame spread rating of materials in means of egress _____

describe

6. Open stairways or other unprotected vertical openings _____

describe conditions briefly

7. Excessive flame spread rating of materials in areas other than means of egress _____

describe

8. Height above ladder reach, or obstacles to laddering _____

describe

9. Other obstacles _____

specify and give locations

DH. Obstacles to Fire Fighting

Fire fighting is the second responsibility of the fire department, after rescue and during rescue. Some obstacles which may be met are listed as follows:

1. Lack of access
2. Windowless wall or walls _____
describe condition briefly
3. Lack of vents or difficult to vent _____
describe condition briefly
4. Excessive area — parts of property beyond reach of hose streams

describe condition briefly
5. Excessive height _____
describe condition briefly
6. Insufficient horizontal or vertical cutoffs _____
describe condition briefly
7. Contents an adverse factor. High piling, or partitions or stock blocking fire streams _____

specify and give locations
9. Other obstacles _____
describe condition briefly

Chapter E. Area of Origin

The area of origin is coded according to use at time of fire. Whereas the complex, Chapter A, takes in the entire building or group of buildings; and the property classification. Chapter B, takes in that portion of the complex having one overall occupancy; the area of origin, or process at origin, takes in that portion of the occupancy which is devoted to a single use. As an example, an office building is a complex, a restaurant in that building is an occupancy, and the kitchen in that restaurant, if a fire occurs there, is the area of origin. The area of origin is either a room or part of a room, a vehicle or part of a vehicle, or possibly some open area devoted to a single use.

The major divisions are as follows:

0. Means of egress
1. Assembly, sales areas
2. Function areas
3. Function areas (continued)
4. Storage areas
5. Service facilities
6. Service and equipment areas
7. Structural areas
8. Vehicle areas
9. Other areas

0. Means of Egress

01. Hallway, corridor, mall
02. Stairway, exterior
Includes fire escape, ramp
03. Stairway, interior
Includes ramp.
04. Escalator
05. Lobby, entrance way
09. Other means of egress — specify in detail

1. Assembly, Sales Areas (groups of people)

11. Large assembly area with fixed seats (100 or more persons)
Includes auditorium, chapel, place of worship, theater, arena, and lecture hall
12. Large open room without fixed seats (100 or more persons)
Includes ballroom, gymnasium, roller rink, bowling alley lanes, etc.
13. Small assembly area with or without fixed seats
Includes classroom, meeting room, etc.
14. Lounge area
Includes living room, common room, TV room, den, recreation room, family room, sitting room, music room, etc.
15. Sales, showroom area
Includes shop; for display window, use 56.
16. Library
Includes art gallery, exhibit space.
17. Swimming pool
19. Other assembly areas — specify in detail

2. Function Areas

21. Sleeping room for under 5 persons
Includes patient's room, bedroom, cell, lockup, etc.
22. Sleeping area for 5 or more persons
Includes ward, dormitory, barracks, etc.

- 23. Dining area, lunchroom, cafeteria
Includes dining room, mess room, canteen, bar beverage service
- 24. Kitchen, cooking area
- 25. Lavatory, locker room, cloakroom
Includes checkroom, rest room, bathroom, powder room, washroom, shower room, sauna bath, outhouse, portable toilet
- 26. Laundry room or area
Includes wash house
- 27. Office

3. Function Areas (Continued)

- 31. Laboratory
- 32. Printing, photographic room or area
- 33. First aid, treatment room
Includes minor surgery.
- 34. Operating room
Includes recovery room, operating theater.
- 35. Electronic equipment room or area
Includes control center, radar room, electronic computer area, data processing center, telephone equipment, telephone booth, etc.
- 36. Performance, stage area
Includes backstage, dressing room, ice rink, boxing ring or basketball floor.
- 37. Projection room or area
Includes stage light and spotlight areas.
- 38. Process, manufacturing area
Includes workroom.
- 39. Other function areas — specify in detail

4. Storage Areas

- 41. Product storage room or area, storage tank, storage bin
Includes all areas where products are held awaiting process, shipment, use or sale.
- 42. Closet
- 43. Supply storage room or area, attic
Includes tool room, maintenance supply room, supply room, dead storage room, etc.
- 44. Records storage room or vault
- 45. Shipping, receiving loading area
Includes packing department, mail room, loading bay.
- 46. Trash, rubbish area or container
Includes wastepaper, industrial waste container, compac-

tor, garbage or trash chute without incinerator; see 64 for incinerator

- 47. Garage, carport, vehicle storage area
- 49. Other storage areas — specify in detail

5. Service Facilities

- 51. Elevator, dumb-waiter including shaft
- 52. Utility shaft
Includes pipe, ventilation and conduit.
- 53. Light shaft
- 54. Chute
Includes laundry, mail, etc. Use 46 for trash chute.
- 55. Duct
Includes air conditioning, heating, cable, exhaust, etc.
- 56. Display window
- 57. Chimney
- 58. Conveyor
- 59. Other service facilities — specify in detail

6. Service and Equipment Areas

- 61. Machinery room or area
Includes elevator machinery room, engine room, pump room, head house, refrigeration room, etc.
- 62. Heating equipment room or area, water heater area
- 63. Switchgear area, transformer vault
- 64. Incinerator room or area
Includes all incinerator operations, see 46 for rubbish area without incinerator
- 65. Maintenance shop or area
Includes repair shop, welding shop, paint shop, workshop, paint spraying.
- 66. Test cell
- 67. Enclosure with pressurized air
- 68. Enclosure with enriched oxygen atmosphere -
- 69. Other service and equipment areas — specify in detail

7. Structural Areas

- 71. Crawl space, sub-structure space
- 72. Exterior balcony, open porch
- 73. Ceiling and floor assembly; concealed floor/ceiling space
- 74. Ceiling and roof assembly; concealed roof/ceiling space
- 75. Wall assembly, concealed wall space
- 76. Exterior wall surface
- 77. Exterior roof surface
- 78. Awning
- 79. Other structural area — specify in detail

8. Vehicle Areas

- 81. Transportation equipment; passenger area
- 82. Transportation equipment; trunk or load carrying area
- 83. Transportation equipment; engine area, running gear, wheels, etc.
- 84. Transportation equipment; fuel tank, fuel line area
- 85. Transportation equipment; operating or control area
Includes the bridge of ships, cockpit of planes, cab of trucks, etc.
- 89. Other vehicle area — specify in detail

9. Other

- 91. On or near railroad right of way, embankment
- 92. On or near highway, public way, street
- 93. Court, terrace, patio
- 94. Lawn, field, open area
Includes farmland, park, vacant lot.
- 95. Wildland area, woods
- 97. Multiple location or use area — specify in detail
- 98. Unclassified — specify in detail
- 99. Unable to determine
- 90. Unspecified, or insufficient information given to classify further
- 00. Area of origin not applicable

Chapter F. Equipment Involved in Ignition

The source of heat of ignition often originates in equipment which fails or brings about the ignition. The *form* of heat energy actually bringing about the ignition is coded in Chapter G. If no equipment is involved, see Section 9.

1. Heating Systems (see NFPA Standard No. 97M, Glossary of Heating Terms for definitions of terms). (For combination heating and cooling system, classify in division 3 — Air Conditioning, Refrigeration Equipment.)

- 11. Central heating unit
Includes furnace, boiler power burner, stoker. Use 71 for industrial furnace.
- 12. Water heater
- 13. Fixed or stationary local heating unit
Includes wall furnace, unit heater, room heater, fixed heating stove, baseboard heater.

14. Fireplace, indoor
15. Portable local heating unit
Includes space heater, room heater, portable salamander.
16. Chimney, gas vent flue
Includes masonry, factory built or metal.
17. Chimney connector, vent connector (connects firebox to chimney)
Includes smoke pipe.
18. Steam line, heating pipe
19. Heating system; not elsewhere classified, specify in detail
10. Heating system; insufficient information given to classify further

2. Cooking Equipment

21. Fixed or stationary surface unit
Includes stove — excludes charcoal grills which are classified in 26.
22. Fixed or stationary oven
Includes rotisserie.
23. Fixed or stationary food warming appliance
Includes coffee urn, steam table, warming drawer, warming table.
24. Deep fat fryer
25. Portable cooking or warming unit
Includes hot plate, camp stove, toaster, waffle iron.
26. Open fired grill
Includes charcoal, wood or paper fired, hibachi, barbeque.
27. Grease hood or duct
29. Cooking equipment; not elsewhere classified, specify in detail.
20. Cooking equipment; insufficient information given to classify further

3. Air Conditioning, Refrigeration Equipment

(See subdivision 47 for "Cords and Plugs"), (classify combination cooling and heating system in this category)

31. Central air conditioning or refrigeration equipment
32. Water cooling device, tower
33. Fixed, stationary local refrigerator unit
Includes cold box, freezer, refrigerator.
34. Fixed, stationary local air conditioning unit
35. Portable air conditioning or refrigeration unit
Includes dehumidifier.

- 39. Air conditioning, refrigeration equipment; not elsewhere classified, specify in detail
- 30. Air conditioning, refrigeration equipment, insufficient information given to classify further

4. Electrical Distribution Equipment (other than heating, cooking, air conditioning and refrigeration equipment classified in divisions 1, 2 and 3). (For electric lamps and light bulbs, see G54 in "Form of Heat of Ignition.") Expanded terminology is available in Appendix C on page 901-135.

- 41. Fixed wiring
Includes power lines, junction boxes, cables, wiring in raceways.
- 42. Transformer and associated overcurrent and disconnect equipment.
- 43. Meters
- 44. Power switch gear and overcurrent protection devices
Includes panelboard or switchboard, fuses, circuit breakers.
- 45. Switch, receptacle, outlet
- 46. Lighting fixture, lampholder or sign
- 47. Cord, plug
Includes "temporary," extension, appliance cord or plug.
- 48. Lamps
- 49. Electrical distribution equipment; not elsewhere classified, specify in detail
- 40. Electrical distribution equipment; insufficient information given to classify further

5. Appliances and Equipment (other than elsewhere classified in this chapter.)

- 51. Television, radio, phonograph
Includes tape recorders, sound or picture receiving equipment or reproduction equipment.
- 52. Dryer
Includes coin operated; extractor removing any liquids, solvents, etc.
- 53. Washing machine
Includes laundry, coin operated.
- 54. Floor care equipment
Includes vacuum cleaners; excluding "ride on" type which are classified as Industrial Truck in section 86.
- 55. Separate motor and generator
Includes those not an integral part of an appliance and those separated by a belt or chain from the equipment they drive.

- 56. Electric hand tools
Includes soldering iron, drill, etc.
- 57. Portable electric appliance designed to produce controlled heat (not elsewhere classified)
Includes electric blanket, steam iron.
- 58. Portable electric appliance designed not to produce heat (not elsewhere classified)
Includes electric razor, can opener.
- 59. Appliance, equipment; not elsewhere classified, specify in detail
- 50. Appliance, equipment; insufficient information given to classify further

6. Special Equipment

- 61. Electronic Equipment
Includes radar, X-ray, computer, telephone, transmitter.
- 62. Vending machine or drinking fountain
- 63. Office machine (specify type)
- 64. Biomedical equipment or device
Includes anesthetizing machine
- 65. Separate pump or compressor
- 66. Internal combustion engine
- 67. Conveyor
- 68. Printing press
- 69. Special equipment, not elsewhere classified, specify in detail
- 60. Special equipment, insufficient information given to classify further

7. Processing Equipment

- 71. Furnace, oven or kiln
Excludes those used for food preparation or heat treating.
- 72. Casting, molding, forging equipment
Includes glass forming, die casting.
- 73. Heat treating equipment
Includes quench tanks, and associated equipment
- 74. Working, shaping machine
Includes sawing, planing, grinding, machining, forming, opening, picking, carding, weaving.
- 75. Coating machine
Includes asphalt saturating, rubber spreading.
- 76. Painting equipment
Includes dipping, spraying, flow-coating equipment.
- 77. Chemical process equipment
Includes digester, reactor, black liquor recovery, distilling.

- 78. Waste recovery equipment
Includes garnetting, solvent recovery.
- 79. Processing equipment; not elsewhere classified, specify in detail
- 70. Processing equipment; insufficient information given to classify further

8. Service and Maintenance Equipment

- 81. Incinerator
- 82. Bearing or brake
- 83. Rectifier, charger
Includes inverter, battery.
- 84. Tarpot, tar kettle
- 85. Arc or oil lamp
Includes gas mantle, arc-lighted motion picture projector.
- 86. Elevator
- 89. Service and maintenance equipment; not elsewhere classified, specify in detail
- 80. Service and maintenance equipment; insufficient information given to classify further

9. Other Object, Exposure Fire

- 91. Separate; removed object
Ignition of a building separated from the fire by a distance of at least 50 feet.
- 92. Separate; detached object
Ignition of a building separated from the fire by a distance or more than one foot but less than 50 feet.
- 93. Separate; adjoining object
Ignition of a building separated from the fire by a distance of less than one foot, or by an unpierced wall.
- 94. Attached; protected object
Ignition of a building communicating with another, but separated by pierced fire walls or rated fire cutoffs and with all common fire wall openings protected by standard installation of fire doors, and cutoffs.
- 95. Attached; unprotected object
Ignition of a building, adjoining another building, not meeting the above definitions, and separated by pierced walls of substandard type or without standard protection of openings.
- 96. Vehicle
- 98. No equipment involved — see Chapter G (i.e., cigarette, cutting torch, etc.)

99. Other object, exposure fire; not elsewhere classified, specify in detail
90. Other object, exposure fire; insufficient information given to classify further

Chapter G. Form of Heat of Ignition

The form of heat energy identifies the fuel or nature of heat energy of the source of ignition. For some purposes it may be enough to know that the source of ignition is a water heater (code 12 — Chapter F), but for more understanding it is desirable to state whether the water was heated by gas (code 11 or 12), oil (code 13 or 14) or electricity (one of the G2's). The difference between code 11 and code 12, incidentally, is whether or not the material first ignited was outside or inside the equipment at the time of ignition. Use code 11 where the material was outside the equipment at the time of ignition. Use code 12 where there was an internal explosion or puff prior to ignition of any material outside.

1. Heat From Fuel-Fired or Fuel-Powered Object

Note: Gas is a gas fuel; gasoline is a liquid fuel.

11. Spark, ember or flame escaping from *gas fueled* equipment
12. Heat from *gas fueled* equipment
Includes pilot light or normal flame
13. Spark, ember or flame escaping from *liquid fueled* equipment
14. Heat from *liquid fueled* equipment
Includes pilot light or normal flame
15. Spark, ember or flame escaping from *solid fueled* equipment
16. Heat from *solid fueled* equipment
17. Spark, ember or flame escaping from equipment — fuel not known
18. Heat from equipment — fuel not known
19. Heat from fuel fired or fuel powered object; not elsewhere classified, specify in detail
10. Heat from fuel fired or fuel powered object; insufficient information given to classify further

2. Heat From Electrical Equipment Arcing or Overloaded

21. Short circuit arc, water caused
22. Short circuit arc, mechanical damage
23. Short circuit arc, defective or worn insulation
24. Short circuit arc, unspecified
25. Arc from faulty contact, loose connection, broken conductor
26. Arc or spark from operating equipment or switch
27. Heat from overloaded equipment
Includes wire, motor.
28. Fluorescent light ballast
29. Heat from electrical equipment arcing or overloaded; not elsewhere classified, specify in detail (See No. 56 for Heat From Electrically Powered Object Not Overloaded)
20. Heat from electrical equipment arcing or overloaded; insufficient information given to classify further

3. Heat From Smoking Material in Use or After Use. (See division G45 and G46 for Matches or Lighters)

31. Cigarette
32. Cigar
33. Pipe
39. Heat from smoking material; not elsewhere classified, specify in detail
30. Heat from smoking material; insufficient information given to classify further

4. Heat From Open Flame or Spark

41. Cutting torch operation (separating metals)
42. Welding torch operation (joining metals)
43. Torch operation, other than cutting and welding
Includes plumbers furnace, blow torch, plumbers torch, bunsen burner, soldering and heating operations, paint stripping torch, and other torch operations.
44. Candle, taper
45. Match
46. Lighter (flame type)
47. Open fire
Includes campfire, bonfire, warning flare, rubbish fire, open trash burner, open incinerator, outdoor fireplace.
48. Backfire from internal combustion engine
49. Heat from open flame or spark; not elsewhere classified, specify in detail
40. Heat from open flame or spark; insufficient information given to classify further

5. Heat From Hot Object

- 51. Heat or spark from friction
Includes tire overheated
- 52. Molten or hot material
Includes molten metal, hot forging, hot glass
- 53. Hot ember or ash
- 54. Electric lamp
Includes light bulb.
- 55. Rekindle, reignition
- 56. Heat from properly operating electrical equipment
- 57. Heat from improperly operating electrical equipment
- 59. Heat from hot object; not elsewhere classified, specify in detail
- 50. Heat from hot object; insufficient information given to classify further

6. Heat From Explosive, Fireworks

- 61. Explosives
Includes bomb, ammunition, military rocket
- 62. Blasting agent
- 63. Fireworks
Includes sparkler
- 64. Paper cap, party popper
- 65. Model rocket, not amateur rocketry
- 66. Incendiary device
Includes Molotov cocktail
- 69. Heat from explosive, fireworks; not elsewhere classified, specify in detail
- 60. Heat from explosives, fireworks; insufficient information given to classify further

7. Heat From Natural Source

- 71. Sun's heat
Usually magnified through broken glass, or glass bottle
- 72. Spontaneous ignition, chemical reaction
- 73. Lightning discharge
- 74. Static discharge
- 79. Heat from natural sources; not elsewhere classified, specify in detail
- 70. Heat from natural sources; insufficient information given to classify further

8. Heat Spreading From Another Hostile Fire (Exposure)

- 81. Heat from direct flame or convection currents
- 82. Radiated heat

83. Heat from flying brand, ember or spark
84. Conducted heat
89. Heat spreading from another hostile fire; not elsewhere classified, specify in detail
80. Heat spreading from another hostile fire, insufficient information given to classify further

Chapter H. Type of Material Ignited

Whereas Chapters F and G describe the ignition source and form, Chapters H, and I describe the material ignited. The material ignited is a mixture of a certain fuel with air, compressed air, or oxygen. It is assumed that the mixture is with air at normal atmospheric pressure unless the area of origin (Chapter E) has either a pressurized atmosphere, E67, or an enriched oxygen atmosphere, E68.

In Chapter H the type of fuel is considered: primarily whether the fuel is a gas, liquid, or solid; and secondarily what type of solid. The form of the fuel, that is its physical characteristics and use, is considered in Chapter I. In our example in Chapter G of a fire starting at a water heater, let us assume that gasoline fumes entered the combustion chamber, being ignited explosively at the gas pilot light. The complete ignition classification using Chapters F, G, H, I, and J would then be: F-12, G-12, H-23, I-86, J-41, assuming that the gasoline had been spilled accidentally from a container in the vicinity of the heater.

1. Gas

11. Natural gas
12. LP-City Gas (LP and air mix)
13. Manufactured gas
14. LP-Gas
15. Anesthetic gas A
16. Acetylene
17. Specialty gas — other than anesthetic
19. Gas; not elsewhere classified, specify in detail
10. Gas; insufficient information given to classify further

2. Flammable or Combustible Liquid

21. High volatile flammable liquid, Class IA
Flashpoint less than 73°F; boiling point less than 100°F
22. Gasoline type of flammable liquid, Class 1B
Flashpoint less than 73°F; boiling point 100°F or above
23. Gasoline

24. Intermediate type flammable liquid, Class 1C
Flashpoint 73°F or above, but less than 100°F
25. Kerosene type flammable liquid, Class II
Flashpoint 100°F or above, but less than 140°F
26. Heavy fuel oil type combustible liquid, Class III A
Flashpoint 140°F or above, but less than 200°F
27. Lubricating oil type combustible liquid, Class III B
Flashpoint 200°F or above
29. Flammable or combustible liquid, unlisted, specify in detail
20. Flammable or combustible liquid, insufficient information given to classify further.

Classification information given in NFPA Standard No. 321 and 325M. The index to this section classifies many of the more common materials.

3. Volatile Solid (material with a melting point between 100°F and 250°F)

31. Fat or grease (food)
Includes butter, tallow, margarine, lard
32. Grease (nonfood)
Includes petroleum jelly
33. Polish
Includes paraffin, wax
34. Adhesive
Includes glue, gelatin
35. Resin
Includes rosin, damas, elemi, kauri
36. Tar, asphalt, pitch
39. Volatile solid; not elsewhere classified, specify in detail
30. Volatile solid; insufficient information given to classify further

4. Chemical, Metal, Plastic, Applied Paint

41. Solid chemical (specify type)
(use "Flammable or Combustible Liquid" for liquid chemical, use "Gas" for gaseous chemical)
42. Magnesium
43. Titanium, zirconium
44. Other metal (specify type)
45. Plastic (specify type — if known)
46. Paint, varnish — applied
47. Radioactive material

- 48. Explosives
- 49. Chemical, metal, plastic, applied paint; not elsewhere classified, specify in detail
- 40. Chemical, metal, plastic, applied paint; insufficient information given to classify further

5. Natural Product

- 51. Rubber
 - Includes synthetic rubber
- 52. Cork
- 53. Leather
- 54. Grass, leaves, hay and straw
- 55. Grain, natural fiber (pre-process)
 - Includes feathers, felt, kapok, hessian, hemp, sisal, jute, cocofilm, flax, cotton, etc.
- 56. Coal, coke, briquettes, peat
- 57. Food, starch
- 58. Tobacco
- 59. Natural product; not elsewhere classified, specify in detail
- 50. Natural product; insufficient information given to classify further

6. Wood, Paper

- 61. Wood, growing
- 62. Wood, felled, but unsawn
- 63. Wood sawn
 - Includes all finished lumber
- 64. Wood shavings
 - Includes sawdust, excelsior
- 65. Hardboard, plywood
- 66. Fiberboard (low density material), wood pulp
 - Includes beaverboard
- 67. Paper, untreated, uncoated (for waxed paper see No. 83)
- 68. Cardboard
- 69. Wood, paper; not elsewhere classified, specify in detail
- 60. Wood, paper; insufficient information given to classify further

7. Fabric, Textile, Fur (Classify by predominant type of material)

- 71. Synthetic fabric, fiber, finished goods (except rayon)
- 72. Cotton or rayon — cotton fabric or finished goods
 - Includes canvas. Excludes waterproof canvas — see No. 84
- 73. Wool or wool mixture fabric or finished goods

- 74. Fur, silk, or other fabric or finished goods
- 75. Wig
- 76. Human hair
- 79. Fabric, textile, fur; not elsewhere classified, specify in detail
- 70. Fabric, textile, fur; insufficient information given to classify further

8. Material Compounded with Oil

- 81. Linoleum
- 82. Oil cloth
- 83. Treated and/or coated paper
Includes waxed paper
- 84. Waterproof canvas
- 85. Oily rags
Includes waste impregnated with oil
- 86. Asphalt treated material
- 89. Material compounded with oil; not elsewhere classified, specify in detail
- 80. Material compounded with oil; insufficient information given to classify further

9. Type of Material Ignited — Other or Undertermined

- 98. Type of material ignited — not applicable
- 99. Type of material ignited; not elsewhere classified, specify
- 90. Type of material ignited; insufficient information given to classify further

Chapter I. Form of Material Ignited

The form of material ignited is the shape and use of the material — what it is as used by human beings, apart from what it is made of. Wood shingles, for instance, would be described by the use of the code 63 in Chapter H for sawn or split wood and 11 for roof covering or 12 for siding in Chapter I. Plastic electrical insulation would be described by codes 45 in Chapter H, and 61 in Chapter I.

1. Structural Component or Finish

- 11. Exterior roof covering, surface or finish
- 12. Exterior sidewall covering, surface or finish
Includes eave
- 13. Exterior trim and appurtenances
Includes door, porch, platform
- 14. Floor covering, surface
Includes tile, carpet, rug, flooring, stair

15. Interior wall covering, surface (items permanently affixed to wall and door surface)
Includes cloth (for curtain, drapery, see 36)
16. Ceiling covering, surface
Includes cloth permanently affixed to ceiling, acoustical tile
17. Structural member or framing
18. Insulation, thermal or acoustical (within wall, partition, or floor/ceiling space)
19. Structural component or finish; not elsewhere classified, specify in detail
10. Structural component or finish; insufficient information given to classify further

2. Furniture (includes built-in)

21. Upholstered sofa, chair, vehicle seats
22. Not-upholstered chair, bench
23. Cabinetry
Includes filing cabinet, piano, organ, dresser, chest of drawers, desk, table, bookcase
24. Ironing board
29. Furniture; not elsewhere classified, specify in detail
20. Furniture; insufficient information given to classify further

3. Soft Goods and Wearing Apparel

31. Mattress; pillow
32. Bedding, blanket, sheet, comforter
Includes heating pad
33. Linen, other than bedding
Includes towel, tablecloth
34. Wearing apparel, not on a person
35. Wearing apparel, on a person
36. Curtain, blind, drapery, tapestry
37. Goods — not made up
Includes fabric, yard goods
38. Luggage
39. Soft goods and wearing apparel; not elsewhere classified, specify in detail
30. Soft goods and wearing apparel; insufficient information given to classify further

4. Adornment, Recreational Material

41. Christmas tree
42. Decoration for special event

- 43. Book
- 44. Magazine, newspaper, writing paper
Includes files
- 45. Toy, game
- 46. Awning, canopy
- 47. Tarpaulin, tent
- 49. Adornment, recreational material; not elsewhere classified,
specify in detail
- 40. Adornment, recreational material; insufficient informa-
tion given to classify further

5. Supplies or Stock

- 51. Box, carton, bag
- 52. Basket, barrel
- 53. Pallet, skid (not in use)
- 54. Rope, cord, twine, yarn
- 55. Packing, wrapping material
- 56. Bale storage
- 57. Bulk storage
- 58. Cleaning supplies
Includes broom, brush, mop, cleaning cloth
- 59. Supplies or stock; not elsewhere classified, specify in detail
- 50. Supplies or stock; insufficient information given to classify
further

6. Power Transfer Equipment or Fuel

- 61. Electrical wire or cable insulation
- 62. Transformer
- 63. Conveyor belt, drive belt, V-belt
- 64. Tire
- 65. Fuel
- 69. Power transfer equipment or fuel; not elsewhere classified,
specify in detail
- 60. Power transfer equipment or fuel; insufficient information
given to classify further

7. General Form

- 71. Agricultural product
- 72. Fence, pole
- 73. Fertilizer
- 74. Natural form; growing
Includes forest, brush or grass.
- 75. Rubbish, trash, waste
- 76. Cooking materials

8. Special Form

- 81. Dust, fiber or lint
- 82. Pyrotechnics, explosives
- 83. Atomized, vaporized liquid
- 84. Chips
- 85. Palletized material
- 86. Gas or liquid in or from pipe or container
Includes accelerant.
- 87. Rolled material
Includes rolled paper

9. Form of Material — Other or Undetermined

- 99. Form of material; not elsewhere classified, specify in detail
- 90. Form of material; insufficient information given to classify further

Chapter J. Act or Omission

This Chapter covers the act or lack of action (omission) on the part of a person or group of persons or the natural occurrence which provides the conditions resulting in an ignition. To get a better understanding of what steps can be taken by people to prevent ignitions, an attempt should be made to identify the action or lack of action which resulted in the heat energy — initial fuel "contact."

1. Incendiary Act

Physical evidence indicates that fire was deliberately or maliciously set.

- 11. Incendiary act, not during civil disturbance
- 12. Incendiary act, during civil disturbance

2. Suspicious Act

Circumstances indicate possibility of a deliberate fire

- 21. Suspicious act, not during civil disturbance
- 22. Suspicious act, during civil disturbance

3. Misuse of Heat of Ignition

- 31. Abandoned or discarded material; cigarette, cigar, etc.
- 32. Thawing
- 33. Falling asleep
- 34. Inadequate control of open fire, including smoking out animal

35. Cutting or welding too close to
36. Children with, or child playing
37. Unconscious, mental or physical impairment, drug or alcohol stupor
39. Misuse of heat of ignition; not elsewhere classified, specify in detail
30. Misuse of heat of ignition; insufficient information given to classify further

4. Misuse of Material Ignited

41. Fuel spilled or released accidentally
42. Improper fueling technique
43. Flammable liquid used to kindle fire
44. Washing part, cleaning, refinishing, painting
45. Improper container
46. Combustible, too close
47. Improper storage
48. Children with, or child playing
49. Misuse of material ignited; not elsewhere classified, specify in detail
40. Misuse of material ignited; insufficient information given to classify further

5. Mechanical Failure or Malfunction

51. Part failure — leak, break, etc.
52. Automatic control failure
53. Manual control failure
54. Short circuit or ground fault
55. Other electrical failure
56. Lack of maintenance, worn out
59. Mechanical failure or malfunction; not elsewhere classified, specify in detail
50. Mechanical failure or malfunction; insufficient information given to classify further

6. Construction, Design, or Installation Deficiency

61. Design deficiency
62. Construction deficiency
63. Installed too close to combustibles
64. Other installation deficiency
65. Property too close to
Includes exposure fire
69. Construction, design, or installation deficiency; not elsewhere classified, specify in detail
60. Construction, design, or installation deficiency; insufficient information to classify further

7. Operational Deficiencies

- 71. Collision, overturn, knock down
- 72. Accidentally turned on or not turned off
- 73. Unattended
- 74. Overloaded
- 79. Other operational deficiency
- 70. Insufficient information

8. Natural Conditions

- 81. High wind
- 82. Earthquake
- 83. High water including floods
- 89. Other natural condition
- 80. Insufficient information

9. Other Act or Omission

- 91. Animals
- 92. Rekindles from a previous fire
- 99. Act or omission not elsewhere classified, specify in detail
- 90. Act or omission; insufficient information to classify further

Chapter K. The Fire Report

In this Chapter the attempt is made to identify the incident by time, by method of alarm, by type of situation found, by type of action taken, by floor of origin, and by occupant. Identification by place may be taken from Chapters C & E by occupancy from Chapter B, and by ignition characteristics (if there was a fire) from Chapter F through J. It would be of educational value, as a *post mortem*, to determine what influence the various factors in Chapter D had on the course of the fire.

KA. Incident Number

The incident number may be denoted in many ways, but one way which would help state and national authorities greatly in identifying the incident, knowing the location, would be to number the incidents consecutively on receipt with the last two digits of the year as a preface.

For example: The 156th alarm in 1971 would be 71-0156.

KB. Vital Statistics

The time, day, and date are recorded as follows:

First four digits	Time by 24 hour clock
5th digit	Day of week (Sunday = 1)
6th and 7th digits	Month of Year
8th and 9th digits	Day of the month
10th to 13th digits	Year of Century

For example: An alarm received at 5:29 p.m., Tuesday, September 18, 1971 would be 1729-30918-1971.

KC. Method of Alarm to the Fire Department

1. Telephone
2. Municipal Fire Alarm System
Includes telegraph, telephone, and radio types and auxiliary connection to them
3. Private Fire Alarm System
Includes central station, remote station, etc.
4. Radio
Includes a fire reported directly from a vehicle on fire or police department frequency
5. Direct Report to a Fire Station (verbal)
Includes a fire seen from or reported to a fire station
6. Delayed Notification — no response
Reported to or observed by the fire department personnel after extinguished and cold
9. Not otherwise classified — specify in detail
0. Unable to classify

NOTE: For a local fire alarm system where passer-by reports ringing bell by phone — classify as telephone.

KD. Type of Situation Found

1. Fire or explosion
Includes fire out on arrival.
2. Overpressure rupture (no combustion)
3. Rescue, emergency care
Includes accident, first-aid calls, inhalator call, etc.
4. Hazardous condition
Includes potential accident, gas leak, gasoline spill, power lines down, radiation leak, actual bomb or other hazard.
5. Public Service call
Includes citizen locked out, child locked in bathroom, water leak, etc.

6. Alarm, no fire
Includes smoke scare, accidental alarm, fumigation "smoke," etc.
7. False alarm, malicious
Includes bomb scare (no bomb.)
8. Electrical failure
9. Other (specify)
0. Unable to classify

If more than one item applies — pick top applicable item on list.

KE. Type of Action Taken

1. Extinguishment
Includes whatever other action has to be taken, such as rescue, ventilation, overhaul, additional alarm, etc.
2. Rescue only (for ambulance service, use code "7")
Includes first aid, inhalator use, etc.
3. Investigation only
Includes fire out on arrival, false alarm.
4. Remove hazard
Includes washing down spill, shutting off utilities, etc.
5. Standby
6. Salvage
7. Ambulance service
8. Fill in, move up or transfer
9. Other (specify)
Includes placed in service before arrival.
0. Unable to classify

KF. Level of Origin

- | Building | Not a Building |
|---|-------------------------------------|
| 1. Ground floor, grade level | Grade — to 9 ft. above grade |
| 2. Second floor, above ground floor | 10-19 ft. above grade |
| 3. Third floor | 20-29 ft. above grade |
| 4. Fourth-fifth floor | 30-49 ft. above grade |
| 5. Sixth-eighth floor | 50-99 ft. above grade |
| 6. Ninth floor and over | 100 ft. above grade and up |
| 7. Roof level
Includes concealed roof space, attic | Airborne or space objects in flight |
| 8. Basement, sub-basement | Below ground level, under water |
| 9. Not elsewhere classified — specify in detail | |
| 0. Not Determined | |

In structures where floors are odd heights or there are no floors, such as a grain elevator, use "Not a Building" column.

KG. Occupant of Area of Origin at Time of Ignition

1. Owner
2. Employee and/or customer
3. Lessee, renter, guest, patient
4. Maintenance staff for repair, renovation
5. Contractor on premises
6. Trespasser
Includes fire in stolen vehicle.
7. Not occupied
9. Not elsewhere classified — specify in detail
0. Not reported — unable to determine

KH. Flame Spread Avenues

Used to classify spread of flame (char) beyond room or area of origin.

1. Interior Finish

11. Spread on ceiling finish
12. Spread on wall finish
13. Spread on floor finish
14. Spread on ceiling and wall finish
15. Spread on ceiling and floor finish
16. Spread on wall and floor finish
17. Spread on ceiling, wall and floor finish
18. Not a factor
19. Other (specify)
10. Unable to classify

2. Structural Factor — Vertical Spread

21. Through nonenclosed stairwell or elevator shaft
22. Through inadequate firestopping
Includes inside of walls, around pipes, poke-throughs, etc.
23. Through air-handling ducts
24. Through utility shaft
25. Through failure of a rated assembly
26. By way of the exterior of the building
28. Not a factor
29. Other (specify)
20. Unable to classify

3. Structural Factor — Horizontal Spread

31. Through air-handling ducts
32. Through attic spaces, ceilings, or concealed spaces
33. Doors burned through in rated assembly

34. Through doors open in a rated assembly
35. Through corridor
36. Through utility openings
37. Through windows
38. Not a factor
39. Other (specify)
30. Unable to classify

4. Burning Material Physically Moved by

41. A human being or animal
42. A conveyor
43. Gravity (fell on, etc.)
44. The wind
48. Not a factor
49. Other (specify)
40. Unable to classify

KI. Smoke Spread Avenues

Used to classify spread of smoke beyond the room or area of origin.

1. Through air handling ducts
2. Through the corridor
3. Through the elevator shaft
4. Through the stairwell
5. Through openings in construction (gaps between slabs and walls, over doors, etc.)
6. Through utility openings — in horizontal walls
7. Through utility openings — in floors
8. Not a factor
9. Other (specify)
0. Unable to classify

KJ. Condition of Fire on Arrival of First Unit

1. Emergency cleared prior to arrival
2. Fire — no evidence visible from street
3. Fire — smoke showing only
4. Fire showing on part of one floor
5. Fire showing on all of one or more floors
6. Fully involved — no exposure danger
7. Fully involved — exposure in danger
8. No fire emergency
9. Other (specify)
0. Unable to classify

Chapter L. Damage, Loss, Manpower Use

This Chapter is divided into six divisions, as follows:

- LA. Extent of Flame Damage
- LB. Extent of Other Damage
- LC. Casualty Summary
- LD. Property Damage Classification
- LE. Lost Time of Business
- LF. Manpower Use

The coding in Chapter L may be restricted to those fires where there are casualties or dollar loss above a certain significant amount.

Three types of fires or explosions are so important that they should automatically be scheduled for a complete investigation and detailed narrative report on the essential details. They are:

1. Those killing one or more persons
2. Those causing \$100,000 loss or more
3. Those involving three or more buildings

A copy of these "large loss" reports should automatically and promptly be filed with the NFPA Fire Record Department.

Special study is recommended of:

1. All fatal fires
2. All fires spreading beyond building of origin

LA. Extent of Char Damage

Describe scorched, burned or charred area

1. Confined to object of origin
2. Confined to part of room or area of origin
3. Confined to room of origin
4. Confined to floor or "fire area" of origin
5. Confined to building of origin
6. Extended beyond building of origin
9. Not elsewhere classified — explain in detail
0. Not reported

LB. Extent of Other Damage

Describe extent of smoke, water, heat, damage from fire fighting

1. Confined to object of origin
2. Confined to part of room or area of origin
3. Confined to room of origin
4. Confined to floor or "fire area" of origin
5. Confined to building of origin

6. Extended beyond building of origin
9. Not elsewhere classified — explain in detail
0. Not reported

LC. Casualty Summary

1. Number of persons killed, fire service
2. Number of persons killed, non-fire service,
3. Number of persons injured, fire service
4. Number of persons injured, non-fire service
5. Number of persons made homeless
Includes the number of persons who could not reside in their buildings or beds the night after the fire.
6. Number of businesses made unusable
Includes the businesses which could not operate over 60% of their facility the working day following the fire.

LD. Property Damage Classification

0. No dollar loss
1. 1-99 dollars
2. 100-999 dollars
3. 1,000-9,999 dollars
4. 10,000-24,999 dollars
5. 25,000-49,999 dollars
6. 50,000-249,999 dollars
7. 250,000-999,999 dollars
8. 1,000,000 dollars or over
9. Undetermined

Estimate on a replacement in like kind and quality basis

Estimate total physical direct loss — loss to contents, structure, etc.

LE. Lost Time of Business

If a business cannot resume its operation at the normal time, the first working day following the fire, then it has "lost time." The lost time is measured in whole days, and may be estimated.

1. 1 day
2. 2 days
3. 3 days
4. 4-7 days
5. 8-29 days
6. 30-89 days
7. 90 days or more
8. Not expected to resume at this location
0. Not reported

LF. Manpower Use

Multiply number of men by number of hours out of quarters and accumulate for each unit at the incident.

1. Less than 0.5 manhours
2. 0.5-0.9 manhours
3. 1.0-2.9 manhours
4. 3.0-9.9 manhours
5. 10.0-23.9 manhours
6. 24.0-47.9 manhours
7. 48.0-71.9 manhours
8. 72.0 and over manhours
9. Manpower miscellaneous
0. Unable to classify

Chapter M. Incident Casualties

M1. This Chapter is to be used by those engaged in fire protection and fire fighting to aid in the collection of data to classify incident casualties. Information can be accumulated regarding the number of fire fighters or civilians injured or killed during incidents.

M2. Definitions**M21. Incident Casualty**

An incident casualty is a person injured or killed during any of the following conditions:

- All direct fire casualties
- All indirect fire casualties
- All casualties responding to an alarm
- All casualties returning from the alarm
- All casualties at the scene *during* the incident.

Persons injured by nonfire events causing a call or alarm (as drowning, vehicle crash, heart attack) are nonincident casualties.

M22. Fire Casualty

A fire casualty is a person receiving an injury or death resulting from a fire. The causes of fire casualties are classified as direct or indirect. Direct fire casualties are those where injuries or deaths are due to fire. Indirect fire casualties are those where injuries or deaths are due in part to fire, but some other cause is assigned as primarily responsible.

M23. Fire Injury

A fire injury is one suffered as the result of a fire that requires (or should require) treatment by a practitioner of medicine within one year of the fire or explosion (regardless of whether treatment was actually received).

M24. Fire Death

A fire death is a fire casualty which is fatal or becomes fatal within one year of the fire.

M25. More Than One Cause of Death

Where a death may be due to more than one cause, one of which is a fire cause, the classification made by appropriate authorities shall govern, provided this classification is in accord with the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death."*

M26. Indirect Causes of Fire Injuries

These are the injuries which result indirectly from fire and include:

- (a) Disease contracted due to exposure to weather in time of fire.
- (b) Injuries due to fire breaking out in vehicles following an accident which is not in itself a fire. If the accident is a fire, the injury is a direct fire injury.
- (c) Overexertion while escaping from or fighting a fire.
- (d) Injuries to fire fighters while responding to or returning from a fire.
- (e) Injuries suffered by fire fighters, while in the execution of their incident-related duties, due to the violence of others.

M3. Examples

Driver trapped in accident vehicle, no fire — nonincident casualty.

Neighbor has heart attack on discovering fire before alarm — incident casualty (indirect fire casualty).

Fire fighter cuts his hand at station while reloading rig before returning to service — incident casualty.

Fire fighter cuts his hand while fixing lunch in station — non-incident casualty.

*International Classification of Diseases, PHS-Publication 1693, Eighth Revision, Vol. 1, \$3.25, (Tabular List).
PHS-Publication 1693, Eighth Revision, Vol. 2, \$4.50 (Alphabetical Index)
Superintendent of Documents, Government Printing Office, Washington, DC 20402

Bus hits truck and fire ensues. Six of sixteen injured are burned or smoke victims —

6 incident (direct fire) casualties

10 nonincident casualties.

Car skids to avoid responding apparatus, women driver injured — incident casualty.

NOTE: Response to this woman may be another incident on this incident — she is a nonincident casualty.

M4. When casualties result from an incident, the additional information detailed below should be recorded for each person so injured.

MA. Name of Person Injured or Killed

MB. Age or Date of Birth (DOB)

MC. Sex

MD. Address (Home Address of Casualty) — Telephone number if Available

ME. Fire Service or Nonfire Service Affiliation

MF. Incident or Nonincident Injury or Fatality

MG. Time When Casualty Occurred

MH. Condition Before Injury

A description which best identifies the condition of the person before the injury.

1. Asleep
2. Bedridden or other physical handicap
3. Impaired by drugs or alcohol
4. Under restraint
5. Too young to act
6. Too old to act; senile
7. Mentally handicapped
8. Awake and unimpaired
9. Other (specify)
0. Undetermined or not applicable

MI. Action Causing Injury

The action directly resulting in the injury. When the injury occurred as a result of contact with an object, the classification which best describes the manner in which that contact occurred should be identified.

1. Caught: in, under, or between; or trapped by
2. Exposed to: heat, chemicals, radiation, smoke, etc.
3. Fell over, on; or tripped on
4. Stepped on or into

5. Overexertion
6. Rubbed by or contact with
7. Struck by
8. Not applicable
9. Other (specify)
0. Undetermined

MJ. Nature of Injury

1. Burns and asphyxia/smoke
2. Burns only
3. Asphyxia/smoke only
4. Wound, cut, bleeding
5. Dislocation, fracture
6. Complaint of pain
7. Shock
8. Strain, sprain
9. Other (specify)
0. Undetermined

MK. Part of Body Injured

1. Head, Neck, includes respiratory system
2. Body, Trunk, Back
3. Arm
4. Leg
5. Hand
6. Foot
7. Internal — except respiratory system
8. Multiple parts
9. Other (specify)
0. Undetermined

ML. Disposition of Casualty

1. Refused help
2. First aid at scene and released
3. Taken to hospital — by fire department vehicle
4. Taken to hospital — by non-fire department vehicle
5. Taken to other than hospital
6. Died
9. Other (specify)
0. Undetermined

M5. Additional information available concerning the casualty should be recorded. All injuries should be routinely followed up.

APPENDIX A

Fixed Property Use Classification System

The following system for fixed property use classification is the basis for the code numbers presented in Chapter B. Those who wish to find the code number quickly for a single occupancy might best use the alphabetical lists in Chapter B. The logical background for the numbers is shown in this Appendix.

1. PUBLIC ASSEMBLY PROPERTY

Places for the congregation or gathering of groups of persons for amusement, recreation, social, religious, patriotic, civic, travel and similar purposes are known as public assembly properties. Such properties are characterized by the presence or potential presence of crowds, with attendant panic hazard in case of fire or other emergency. They are generally open to the public, or may, on occasions, be open to the public. The occupants are present voluntarily, and are not ordinarily subject to discipline or control. They are generally able-bodied persons, who do not intend to sleep on the premises.

11. Amusement and Recreation Places — Fixed Use

- 111. Bowling establishment
- 112. Billiard center
Includes pool center, pool hall
- 113. Amusement center
Amusement hall, such as shooting gallery, penny arcade, bingo hall, dance studio and the like, except bowling establishment and billiard center.
- 114. Ice rink
Includes establishments solely used for ice skating, ice hockey and curling. Ice rinks in arenas and other places that can be converted to other uses are classified in Division 12.
- 115. Roller rink
- 116. Swimming facility
Includes related cabana, bathhouse, or equipment location.
- 119. Amusement and Recreation Places — Fixed Use; not elsewhere classified, specify in detail.
- 110. Amusement and Recreation Places — Fixed Use; insufficient information given to classify further.

12. Amusement and Recreation Places — Variable Use

- 121. Ballroom, gymnasium
Includes dance hall.
- 122. Exhibition hall, exposition hall
Large open hall without fixed seating facilities: including college "cage," armory hall, field house, exhibition and exposition hall.
- 123. Arena, stadium
Fixed seating in large areas, such as arena, sports garden, ball park, race track, and grandstands.
- 129. Amusement and Recreation Places — Variable Use; not elsewhere classified, specify in detail.
- 120. Amusement and Recreation Places — Variable Use; insufficient information given to classify further.

13. Churches, Funeral Parlors

- 131. Church, chapel
- 132. Religious education facility
Facilities for use in periodic religious education, such as Sunday school. Excluded are regular educational buildings run by religious institutions which are classified in Major Division 2.
- 133. Church hall
Hall for fellowship, meetings, etc.; including office, kitchen and classroom contained within the structure.
- 134. Funeral parlor or chapel
Includes crematory, funeral home, morgue, mortuary
- 139. Churches, Funeral Parlors; not elsewhere classified, specify in detail.
- 130. Churches, Funeral Parlors; insufficient information given to classify further.

14. Clubs

- 141. City club
Included are city club facilities without sleeping accommodations, such as athletic, lodge, social, steam bathing, health, swimming, boys and YMCA. If sleeping accommodations are present, classify in Division 42 or 44. Nightclubs are classified in Subdivision 162.
- 142. Country club
Included are country club facilities, such as golf, tennis, rifle, hunting, fishing, beach and riding clubs.
- 143. Yacht club
Included are boating and yacht club facilities. Excluded are marinas and boat mooring; boat repair; and marine

refueling facilities classified in Subdivisions 885, 782 and 577, respectively.

149. Clubs; not elsewhere classified, specify in detail.

140. Clubs; insufficient information given to classify further.

15. Libraries, Museums, Court Rooms

151. Library

152. Museum, art gallery

153. Historic building

154. Memorial structure, monument

155. Court room

156. Legislative hall

159. Libraries, Museums, Court Rooms; not elsewhere classified, specify in detail.

150. Libraries, Museums, Court Rooms; insufficient information given to classify further.

16. Eating, Drinking Places

Included are retail establishments, selling prepared foods and drinks.

161. Restaurant

Those eating places specializing in food primarily for consumption on the premises. Included are cafeterias and diners, with table or automatic service.

162. Nightclub

Those places specializing in food and drink. They may have dancing or entertainment. Key clubs, supper clubs and dinner theaters are included.

163. Tavern

Those places specializing in the sale of alcoholic beverages, consumption primarily on premises, with food as a minor supplement only.

164. Lunchroom, drive-in

Those places specializing in quick service for food or beverages, such as lunch counters, drive-ins and the like. Excluded are delicatessens classified in Subdivision 516.

169. Eating, Drinking Places; not elsewhere classified, specify in detail.

160. Eating, Drinking Places; insufficient information given to classify further.

17. Passenger Terminals, Stations

Includes incidental freight handling.

171. Airport passenger terminal

172. Heliport, helistop

- 173. Bus passenger terminal
Includes terminals for airline limousines and downtown air-line terminal buildings.
- 174. Street level rail terminal
- 175. Underground rail terminal
- 176. Elevated rail terminal
- 177. Marine passenger terminal
Including ferry terminal
- 179. Passenger Terminals; not elsewhere classified, specify in detail.
- 170. Passenger Terminals; insufficient information given to classify further.

18. Theaters, Studios

- 181. Legitimate theater
Including combined live and movie.
- 182. Auditorium, concert hall
- 183. Motion-picture theater
Excluding drive-in theaters which are classified in Subdivision 184.
- 184. Drive-in motion-picture theater
- 185. Radio, TV studio
- 186. Motion-picture studio
Includes motion-picture art, such as studios, and editing. Film processing is classified in Subdivision 797.
- 189. Theaters, Studios; not elsewhere classified, specify in detail.
- 180. Theaters, Studios; insufficient information given to classify further.

10. Public Assembly Property: unclassified

- 109. Public Assembly Property; not elsewhere classified, specify in detail.
- 100. Public Assembly Property; insufficient information given to classify further.

2. EDUCATIONAL PROPERTY

Educational properties are those used for the gathering of groups of persons for purposes of instruction such as schools, colleges, universities, academies. Educational properties are distinguished from public assembly properties in that the same occupants are present regularly and they are subject to discipline and control. Educational properties include: part-day nursery schools, kindergartens and other schools whose primary purpose is education.

Other properties associated with educational institutions are classified in accordance with their actual use.

21. Schools, Nonresidential

All schools; public, private or parochial, where students attend during the day only.

- 211. Nursery school
Schools for prekindergarten-age children, operating 4 hours a day or less. If operating over 4 hours, classify in Subdivision 321, day care.
- 212. Kindergarten
Schools for children the grade before grade I.
- 213. Elementary school
- 214. Junior high, intermediate school
- 215. High school
- 219. Schools, Nonresidential; not elsewhere classified, specify in detail.
- 210. Schools, Nonresidential; insufficient information given to classify further.

22. Schools, Residential

All boarding schools; public, private, or parochial, includes such day student facilities as may be present.

- 221. Residential school classroom building
Buildings containing classrooms. Included are such laboratories, libraries and offices as may be present. If one building houses the entire school, the fire is classified by point of origin, that is, dormitory, office, etc. Other buildings in a school are classified under the appropriate heading.
- 229. Schools, Residential; not elsewhere classified, specify in detail.
- 220. Schools, Residential; insufficient information given to classify further.

23. Trade, Business Schools

Other than high school, college.

- 231. Vocational school
- 232. Business school
- 233. Specialty school
- 234. Rehabilitation center (attendance by choice). See Subdivision 346 if attendance is by direction.
- 239. Trade, Business Schools; not elsewhere classified, specify in detail.
- 230. Trade, Business Schools; insufficient information given to classify further.

24. Colleges, Universities

- 241. Junior college classroom building
Buildings containing classrooms. Included are such incidental laboratories, libraries and offices as may be present. If one building houses the entire college, classify as 241. Other buildings in a college are classified under the appropriate heading according to use, as dormitory, office, etc.
- 242. College, university classroom building
Buildings containing classrooms. Included are such incidental laboratories, libraries and offices as may be present. If one building houses the entire college, classify as 242. Other buildings in a college are classified under the appropriate heading according to use, as a dormitory, office, etc.
- 249. Colleges, Universities; not elsewhere classified, specify in detail.
- 240. Colleges, Universities; insufficient information given to classify further.

20. Educational Property; unclassified

- 209. Educational Property; not elsewhere classified, specify in detail.
- 200. Educational Property; insufficient information given to classify further.

3. INSTITUTIONAL PROPERTY

Institutional properties are those used for purposes such as medical or other treatment or care of persons suffering from physical or mental illness, disease or infirmity, for the care of infants, convalescents or aged persons, and for penal or corrective purposes. Institutional buildings ordinarily provide sleeping facilities for the occupants.

31. Care of the Aged

Care of the aged in any type of structure regardless of the name or of the title on the license. See Subdivision 332 for sanitariums.

- 311. Care of the aged; with nursing staff
- 312. Care of the aged; without nursing staff
- 319. Care of the Aged; not elsewhere classified, specify in detail.
- 310. Care of the Aged; insufficient information given to classify further.

32. Care of the Young**321. Day child-care center**

Care of preschool-age children operating more than 4 hours a day. If operating 4 hours or less a day, classify in Subdivision 211. Nursery schools.

322. Children's home, orphanage**329. Care of the Young; not elsewhere classified, specify in detail.****320. Care of the Young; insufficient information given to classify further.****33. Care of the Handicapped, Sick, or Injured****331. Hospital, hospital-type infirmary****332. Sanatorium, sanitarium**

Includes care of post-operative patients, where care of aged is minor in proportion to other care.

333. Institution for deaf, dumb or blind**334. Clinic, clinic-type infirmary**

Includes separate clinic buildings for maternity and other uses. Excluded are medical office buildings classified in Subdivision 593. Also excluded are out-patient clinics.

335. Mental institution**339. Care of the Handicapped, Sick, or Injured; not elsewhere classified, specify in detail.****330. Care of the Handicapped, Sick or Injured; insufficient information given to classify further.****34. Care of the Physically Restrained****341. Prison cell or cell block, men****342. Prison cell or cell block, women****343. Juvenile detention home****344. Men's detention camp**

Minimum security type

345. Police station**346. Vocational rehabilitation center**

Attendance by direction

349. Care of the Physically Restrained; not elsewhere classified, specify in detail.**340. Care of the Physically Restrained; insufficient information given to classify further.****30. Institutional Property; unclassified****309. Institutional Property; not elsewhere classified, specify in detail.**

300. Institutional Property; insufficient information given to classify further.

4. RESIDENTIAL PROPERTY

A residential property is one in which sleeping accommodations are provided for normal residential purposes, and includes all buildings designed to provide sleeping accommodations except those classified under Institutional.

Subdivisions in this category are divided according to life hazard potential. Names and legal definitions may be different from those given here. The categories here, however, have a significant difference from a fire and life protection standpoint.

CAUTION: Classify the property by its actual use according to the standard definitions given, not by what the property owner cares to call his building. Thus, a residential property called a "motel" on the sign over the door may not be a motel by these definitions. From a fire standpoint it may be a hotel, an apartment, or a rooming house, depending on the use.

41. Dwellings, One- and Two-Family

Private dwellings and duplexes each occupied by members of a single family group; with total sleeping accommodations for not more than 20 persons; with rooms rented to outsiders, if any, with a total of not more than three persons. If sleeping accommodations for more than 20 persons are provided in one building, it shall be subject to the requirements for apartments or dormitories. If a business or other occupancy is contained in the building, classify in Subdivision 421.

Parking garages for one- and two-family dwellings, whether attached or detached, are classified in Subdivision 881.

- 411. Dwelling; year-round use (one-family)
- 412. Dwelling; seasonal use, in season (one-family)
- 413. Dwelling; seasonal use, off season (one-family)
- 414. Dwelling; year-round use (two-family)
- 415. Dwelling; seasonal use, in season (two-family)
- 416. Dwelling; seasonal use, off season (two-family)
- 419. Dwelling, One- and Two-Family; not elsewhere classified; specify in detail.
- 410. Dwelling, One- and Two-Family; insufficient information given to classify further.

42. Apartments, Tenements, Flats

Buildings furnishing living quarters for families living inde-

pendently of each other, and with independent cooking facilities, whether designated as apartment house, tenement, garden apartment, or by any other name. So-called apartment hotels shall be classified as hotels (Division 44) because they are potentially subject to transient occupancy like that of hotels.

An essential difference between hotels and apartments lies in the fact that apartments are generally subject to continuing occupancy by the same persons for a sufficient length of time so that most occupants may be assumed to be familiar with the building and its exit facilities.

An apartment in a building with a store, office, or other business is identified as Business/Residential complex (40).

Parking garages exclusively for tenants, whether attached or detached, are classified in Subdivision 881. Other parking garages are classified in Subdivision 882.

- 421. 1 or 2 units
- 422. 3 through 6 units
- 423. 7 through 20 units
- 424. Over 20 units
- 429. Apartments, Tenements, Flats; not elsewhere classified, specify in detail.
- 420. Apartments, Tenements, Flats; insufficient information given to classify further.

43. Rooming, Boarding, Lodging Houses

Buildings or groups of buildings under the same management in which separate sleeping rooms are rented; sleeping accommodations for a total of not more than 15 persons, on either a transient or permanent basis; with or without meals, but without separate cooking facilities for individual occupants. Where rooms are rented for not more than three persons, classify in Division 41.

- 431. 4 to 8 roomers, boarders
- 432. 9 to 15 roomers, boarders
- 439. Rooming, Boarding, Lodging Houses; not elsewhere classified, specify in detail.
- 430. Rooming, Boarding, Lodging Houses; insufficient information given to classify further.

44. Hotels, Inns, Lodges (interior entry only to individual units).

Buildings or groups of buildings under the same management in which there are sleeping accommodations for more than 15

persons for hire; primarily used by transients who are lodged with or without meals; whether designated as a hotel, inn, club, YMCA, motel, or by any other name. So-called apartment hotels shall be classified as hotels because they are potentially subject to transient occupancy like that of hotels. For buildings with exterior entry to individual units; and with a maximum of 4 stories, classify in Division 45. For 15 or less persons, classify in Division 43.

- 441. Year-round use
- 442. Seasonal use, in season
- 443. Seasonal use, off season
- 444. Transient dormitory type
- 449. Hotels, Inns, Lodges; not elsewhere classified, specify in detail.
- 440. Hotels, Inns, Lodges; insufficient information given to classify further.

45. Motor Hotels, Motels (direct exterior entry to individual units).

Buildings or groups of buildings, of 4 stories or less, with direct exterior entry to each unit, under the same management, primarily used by transients who are lodged with or without meals, whether designated as a hotel, inn, club, motel, tourist cabin, or by any other name.

If over 4 stories, classify in Division 44, regardless of means of entry or number of units.

- 451. Fewer than 3 units, including tourist cabins
- 452. 3 to 20 units
- 453. Over 20 units
- 459. Motor Hotels, Motels; not elsewhere classified, specify in detail.
- 450. Motor Hotels, Motels; insufficient information given to classify further.

46. Dormitories

Buildings where group sleeping accommodations are provided for an extended period for persons not members of the same family group in one room or in a series of closely associated rooms under joint occupancy and single management, with or without meals. Use Subdivision 444 for transient dormitory type.

- 461. School, college or university dormitory
- 462. Fraternity, sorority

- 463. Nurses' quarters
- 464. Military barracks
- 465. Convent, monastery or other religious dormitory
- 466. Bunk house or workers' barracks
- 469. Dormitories; not elsewhere classified, specify in detail
- 460. Dormitories; insufficient information given to classify further.

47. Mobile Homes, Trailers

A mobile home is a portable structure built on a chassis and designed to be used as a permanent family unit. A travel trailer is a portable structure built or placed on a chassis and designed to be used as a temporary family unit. Classification here is only for units on a foundation or supported by other means than its wheels.

- 471. Mobile home
- 472. Travel trailer
- 479. Mobile homes, trailers; not elsewhere classified, specify in detail
- 470. Mobile homes, trailers; insufficient information given to classify further.

49. Other Residential Occupancies

- 491. Children's playhouse
- 499. Other Residential Occupancies; not elsewhere classified, specify in detail.
- 490. Other Residential Occupancies; insufficient information given to classify further.

5. STORE AND OFFICE PROPERTY

Store properties include all markets and other rooms, buildings, or structures for the display, sale, repair or service of merchandise, new or used, purchased or rented. Mercantile or store properties generally have a capacity for a large number of people and usually have a display and sales area that is large in relation to the storage area.

Office properties are those which are principally used for the transaction of business and the keeping of records, private or public.

51. Food, Beverage Sales

Sale of food and beverage for consumption off the premises.

The sale of food and drinks for consumption on the premises is classified in Division 16.

- 511. Supermarket
Supermarkets sell a broad line of food items as well as some nonfood items and cover over 10,000 square feet in their total area.
- 512. Market, grocery store
Markets and grocery stores sell a broad line of food items as well as some nonfood items and cover less than 10,000 square feet in total area.
- 513. Specialty food store
Specialty food stores specialize in a few basic food items and may have supplementary items for customer convenience. Included are meat, fish, candy, bakery, gourmet shops, and roadside farm produce stands and counters. Liquor, beverage stores; Creamery, dairy stores; and Delicatessens are excluded and classified in Subdivisions 514, 515, and 516 respectively.
- 514. Liquor, beverage store
- 515. Creamery, dairy store
Includes ice cream stores and stands whether quick-freeze or frozen.
- 516. Delicatessen
Sale of prepared foods mainly for consumption off the premises. Included is pickup or carry-out service. Excluded are drive-ins classified in Subdivision 164.
- 519. Food, Beverage Sales; not elsewhere classified, specify in detail.
- 510. Food, Beverage Sales; insufficient information given to classify further.

52. Textile, Wearing Apparel Sales

- 521. Clothing store
Sale of wearing apparel; new, used or clothing rental shops. Sales of accessories incidental to clothing sale included. Shoe stores and fur stores are classified in Subdivision 522 and 525, respectively.
- 522. Clothing accessories, shoe store
Shops specializing in clothing accessories, new, used or rented; including ties, shoes, shirts, hats, etc.
- 523. Shoe repair shop
Repair of boots and shoes (cobbling). Included are repairers who also make footwear, shining stands and shops.

- 524. Tailor, dressmaking shop
Tailor and dressmaking shops including stores specializing in alterations to ready-made wear.
- 525. Fur store
Stores specializing in fur sales. Excluded are fur departments of stores with a broad line of goods and the storage of fur garments.
- 526. Dry goods store
Includes all sales of dry goods, yard goods, and piece goods. Excluded are clothing, clothing accessories and rug and carpet sales which are classified in Subdivisions 521, 522, and 536 respectively.
- 529. Textile, Wearing Apparel Sales; not elsewhere classified, specify in detail.
- 520. Textile, Wearing Apparel Sales; insufficient information given to classify further.

53. Household Goods Sales, Repairs

Sale of common items used principally to equip the home or for home maintenance.

- 531. Furniture store
Includes sales of all new and used furniture, office furniture and large nondesk-top type equipment, such as water coolers. Excluded are office supply and desk-top office equipment sales which are classified in Subdivision 541 and furniture departments of large multi-department stores which are classified in Subdivision 581.
- 532. Appliance store
Appliance stores include those stores principally selling major and minor appliances with or without associated repair departments. Appliance repair shops without sales are classified in Subdivision 538.
- 533. Hardware store
Included are sales of tools and associated equipment, parts and retail plumbing supplies.
- 534. Music store
Includes sale or rental of records, sheet music, pianos, organs and other instruments or associated listening and teaching facilities.
- 535. Wallpaper, paint store
Includes sale of wall coverings, decorating materials, and sale or rental of associated tools and equipment.
- 536. Rug, floor covering store
Includes sale or rental of rugs, carpets, and floor coverings or sale or rental of associated tools and equipment.

- 537. Furniture repair shop
Includes repair of furniture and upholstery without sales. If repair with sales, classify in Subdivision 531.
- 538. Appliance repair shop
Includes shops for repair of appliances without sales. If repair with sales, classify in Subdivision 532.
- 539. Household Goods Sales, Repairs; not elsewhere classified, specify in detail.
- 530. Household Goods Sales, Repairs; insufficient information given to classify further.

54. Specialty Shops

Sale of material commonly used in the home.

- 541. Book, stationery store
Includes new and used books, office supplies and desk-top office equipment. Excluded are sales of larger office equipment and office furniture, which is classified in Subdivision 531.
- 542. Newsstand or tobacco shop
- 543. Drug store
Usually has a pharmacist on duty.
Drug stores which are chiefly variety stores are classified in Subdivision 582 or 583.
- 544. Jewelry store
Includes jewelry and watch repair shops and associated gift sales.
- 545. Gift shop
Includes glassware, china, silver and other gift items; excludes jewelry and watch repair, which is classified in Subdivision 544.
- 546. Leather goods shop
Includes sale of leather goods and luggage of all types and from all materials, excluding shoes, which are classified in Subdivision 522.
- 547. Florist shop, greenhouse
Florist shops and sale of flowers, artificial and natural, including greenhouses and flower raising.
- 548. Optical goods sales
Included are opticians, eyeglass fitting and grinding.
- 549. Specialty Shops; not elsewhere classified, specify in detail.
- 540. Specialty Shops; insufficient information given to classify further.

55. Recreation, Hobby, Home Repair, Supply Sales; Personal Service

Includes sale and processing of material used in hobbies, sports, and recreation activities, and personal service. For record shops use 534.

551. Hobby, toy shop

Includes sale of toys, and hobby supplies other than art supplies, sporting goods, and photographic goods, which are classified in Subdivisions 563, 552, and 553, respectively.

552. Sporting good sales

Includes sale of firearms, ammunition, tents and other material for use in all sporting events except sportswear shops, which are classified in Subdivision 521.

553. Photographic supply sales and still picture studio

Includes sale of photographic equipment. Motion picture film studios are classified in Subdivision 186, while plant processing of film is classified in Subdivision 797.

554. Garden supply store

Includes retail sale of equipment, seeds, fertilizer for home or garden consumption. Sale or rental of snow blowers, lawn sweepers and other home maintenance machines is included.

555. Retail lumber sales

Lumber distribution centers often of the supermarket type, including sale of related home repair supplies. Lumber yards principally for storage are classified in Subdivision 851.

556. Pet store, animal hospital

Sale of pets, animal and pet supplies, including animal hospitals and care centers.

557. Barber, beauty shop**558. Fireworks sales**

Includes retail fireworks sales from temporary or permanent locations.

559. Recreation, Hobby, Home Repair, Supply Sales; Personal Service; not elsewhere classified, specify in detail.**550. Recreation, Hobby, Home Repair, Supply Sales; Personal Service; insufficient information given to classify further.****56. Professional Supplies and Service****561. Professional supply sales**

Includes sale of stethoscopes, hospital supplies, special tools, engineering instruments, and other professional supplies.

- 562. Trade supply sales
Includes sale of machinist supplies, plumbers' tools, carpentry equipment.
- 563. Art supply sales
- 564. Laundry and dry cleaner; self-service
- 565. Linen supply house
- 566. Laundry, dry cleaner pickup shop
Shops for pickup of laundry and cleaning. Little or no processing on the premises, other than pressing.
- 567. Home maintenance services
Includes firms doing home maintenance work such as floor cleaning, window washing, chimney cleaning, exterminating.
- 568. Restaurant supplies and services
- 569. Professional Supplies and Services; not elsewhere classified, specify in detail.
- 560. Professional Supplies and Services; insufficient information given to classify further.

57. Motor Vehicle, Boat Sales and Service

- 571. Service station; public
Fuel service facilities for motor vehicles operated for the public, such as gasoline service stations, diesel fuel stations, LP-Gas stations, with associated lubritorium and wash facilities. Marine service stations are classified in Subdivision 577.
- 572. Service station; private
Private or fleet vehicle refueling where an employee may fuel vehicle himself, such as at a transit company garage, a trucking company yard or a farm.
- 573. Motor vehicle repairs, paint shop
Repair of automobiles, motor trucks and shops doing specialized repair work such as repair of auto tops, hoods and electrical repair. Excluded are car washing facilities, 578.
- 574. Motor vehicle and trailer sales, including farm implements and motorcycles.
- 575. Motor vehicle accessory sales
Sale of accessories for motor vehicles such as lights, tires, parts and special tools.
- 576. Boat sales; pleasure craft
Sale of boats, marine vessels, outboard motors and accessories other than at marinas. If at marinas or boat repair yards classify the Subdivision 885 and 782 respectively.

- 577. Marine service station
Refueling facilities for marine vessels of any size.
- 578. Car washing facility
- 579. Motor Vehicle, Boat Sales and Services; not elsewhere classified, specify in detail.
- 570. Motor Vehicle, Boat Sales and Services; insufficient information given to classify further.

58. General Item Stores

Stores selling a wide range of items that cannot be readily classified in previous subdivisions.

- 581. Department store
A department store has many separate lines of goods but to be classified here the store must have a full furniture department.
- 582. Variety store — small
A store of less than 10,000 square feet with a wide range of goods but no furniture department. Army-Navy stores, "5 and 10 cent stores", and second-hand or surplus stores.
- 583. Variety store — large
A store of over 10,000 square feet with a wide range of goods but no furniture department. Merchandise like a supermarket, usually with self-service and check-out counters.
- 584. Mail order store
Mail order and catalogue stores including display areas regardless of size. Use Subdivision 581 when applicable and when the mail order section is a small section of the larger store.
- 585. Mall
Includes only the public area common to a multistore facility. See Chapter A for "Shopping Center."
- 589. General Item Stores; not elsewhere classified, specify in detail.
- 580. General Item Stores; insufficient information given to classify further.

59. Offices

Office properties are those used for the transaction of business, for the keeping of accounts and records, and similar purposes. Doctors' and dentists' offices are included unless of such character as to be classified as hospitals. Service facilities usual to city office buildings are included in this property group. City halls, and town halls, are included in this property group, as their prin-

cial function is the transaction of the public business and the keeping of books and records.

Minor office occupancy incidental to operations in another property shall be considered part of the predominating property.

Included are buildings housing business, administrative, professional or regulatory functions.

591. General business office

Office buildings for the administration of industrial and business enterprises whether at the plant or located elsewhere. Offices of: insurance carriers, consultants, and adjusting agencies; real estate operators, developers and agents; lawyers, advocates and solicitors; importers, exporters, manufacturers' agents, commodity brokers; trade associations, chambers of commerce, professional societies; labor organizations; religious organizations; local and county government offices; state or provincial government offices; central government offices; and offices of the armed forces and defense agencies. Savings and loan companies without first floor banking premises.

592. Bank, with first floor banking facilities. Use Subdivision 591 for savings and loan companies without first floor banking premises.

593. Medical, health, research and scientific office

Medical, surgical, dental, health service offices. This includes offices of nurses and midwives, consulting rooms or offices of physicians, surgeons, and other medical practitioners; offices primarily engaged in research; and of meteorological institutes. Laboratories are classified in Division 62.

594. Engineering, architects' and technical office

Consulting, engineering, architectural, surveying and scientific engineering development offices. Permanent office buildings of a contractor are included. Contractor's shops and parts storage locations are classified in Subdivision 936.

595. Mailing firm

596. Post office

599. Offices; not elsewhere classified, specify in detail.

590. Offices; insufficient information given to classify further.

50. Mercantile Properties and Offices; unclassified

509. Mercantile Properties and Offices; not elsewhere classified, specify in detail.

500. Mercantile Properties and Offices; insufficient information given to classify further.

6. BASIC INDUSTRY, UTILITY, DEFENSE PROPERTY

Agriculture, forestry, the extractive or mining industries, mineral products, utilities, laboratories, nuclear plants, and communication facilities are all included. Since national defense sites depend so heavily on communications, they also are included here.

61. Nucleonics

Areas designated as handling radioactive materials, such as uranium, radium, thorium, heavy water, or plutonium.

- 611. Plant working with radioactive materials in bulk
Fuel element plants, radioactive waste disposal.
- 612. Plant working with radioactive materials in small quantities
- 613. Nuclear power plant
Use 641 for that portion of the plant devoted to the generation of electricity.
- 614. Nuclear ordinance plant
Bomb assembly.
- 619. Nucleonics; not elsewhere classified, specify in detail.
- 610. Nucleonics; insufficient information given to classify further.

62. Laboratories

Classrooms and offices incidental to laboratory facilities are included. A fire or explosion in a laboratory room in another property is classified in the individual property involved.

- 621. Laboratory; chemical and medical
Includes biological laboratories.
- 622. Laboratory; physical materials testing
Includes all laboratories for testing physical properties of materials. Included are hydraulics laboratories, physics laboratories, physical materials laboratories.
- 623. Laboratory; personnel, psychological
Includes laboratories for the testing, measuring of persons. Educational laboratories are included.
- 624. Laboratory; radioactive materials
Any laboratory handling or using radioactive material in a quantity requiring marking.
- 625. Laboratory; electrical, electronic
- 626. Laboratory; agricultural
- 627. Laboratory; research, general

- 629. Laboratories; not elsewhere classified, specify in detail.
- 620. Laboratories; insufficient information given to specify further.

63. Communications, Defense, Document Facilities

Critical areas having to be maintained to retain national, business or public safety or continuity.

- 631. National defense site not elsewhere classified; including missile or space vehicle launch site; excluding radio and radar sites which are classified in subdivision 632. The missiles or vehicles, themselves, are classified in 987 or 988.
- 632. Radio, radar site
Including microwave transmitter sites, flight control facilities, satellite tracking stations, repeater sites, fixed and mobile stations. Excludes fire or police communications, classified in subdivision 633.
- 633. Fire, police or industrial communications center
Includes municipal, county, state or province emergency communications facilities; such as fire control center, police control center, disaster control facilities and all auxiliary equipment; industrial communications centers.
- 634. Telephone exchange, central office
Includes communications cable sites with the associated repeater and terminal facilities.
- 635. Computer, data-processing center
- 636. Document center, record repository
Including archive storage.
- 639. Communications, defense, document facilities; not elsewhere classified, specify in detail.
- 630. Communications, defense, document facilities; insufficient information given to classify further.

64. Utilities

- 641. Electric light, power generating plant
Generation of electrical energy, regardless of power plant.
Included are locations producing electricity for rail transport use, for groups of factories, and for individual properties.
- 642. Electric light, power, distribution system
Distribution of electric energy outside generating plant premises, including high tension lines, poles, substations, transformers, and underground facilities.

- 643. Gas manufacturing plant
Manufacture of gas in gasworks, including peak shaving plants.
- 644. Gas distribution system, pipeline
Piping systems and associated equipment for the distribution of gas fuel from manufacturing plants, storage facilities or wells to the user. Included are transmission lines, compressors, and distribution piping up to the customer side of the meter.
- 645. Flammable liquid distribution system, pipeline
Piping systems and associated equipment for the distribution of flammable liquid from manufacturing plants, storage facilities or wells to the user. Included are transmission lines, compressors, underground facilities, and distribution piping up to the customer side of the meter.
- 646. Steam and heat transfer plants
Production of steam, hot water, hot chemicals, hot oil and distribution systems for heating and power purposes, including "district heating."
- 647. Water supply system
Collection, treatment, storage, and distribution of water.
- 648. Sanitary service
Garbage and sewage disposal. Included are sewer systems, commercial incinerators and industrial rubbish burners. Excluded are dumps, 912.
- 649. Utilities; not elsewhere classified, specify in detail.
- 640. Utilities; insufficient information given to classify further.

65. Agriculture

Production of raw agricultural products, farming, processing and working of products classified elsewhere.

- 651. Poultry, egg production
- 652. Cow and cattle production
Included is cow milking, milk houses, milk cooling facilities. Milk processing plants are classified in Subdivision 712.
- 653. Piggery, hog production
- 654. Other livestock production
- 655. Crops, orchards
- 656. Tobacco curing shed
- 657. Fruit, vegetable packing
Packing of raw fruit and vegetables as picked. Processing plants are classified in subdivision 713.

- 659. Agriculture; not elsewhere classified, specify in detail.
- 650. Agriculture; insufficient information given to classify further.

66. Forestry, Hunting and Fishing

- 661. Forest, standing timber
Timber tracts; planting, replanting and conservation of forests; gathering of uncultivated materials, such as gums and resins, wild rubber, saps, barks, wild fruits and flowers, and roots. Includes extracting, concentrating and distilling of sap and charcoal burning carried on in the forest.
- 662. Logging, felled timber, long storage pile
Felling and rough cutting of trees; hewing or rough sharpening of poles, blocks, and other wood materials; and transportation of logs. Included are piles of timber and logs. Excluded are sawmills operating in the forest and classified in subdivision 751.
- 663. Hunting, trapping and game propagation
Hunting and trapping wild animals and game propagation for commercial purposes not connected with sport.
- 664. Trees
Individual tree fires are classified here.
- 665. Fish hatchery
- 666. Wood chip pile
- 669. Forestry, hunting and fishing; not elsewhere classified, specify in detail.
- 660. Forestry, hunting and fishing; insufficient information given to classify further.

67. Mining, Quarrying; Natural Raw Materials

Underground and surface mines, quarries and oil wells, including supplemental on-site machinery. Prospecting for minerals and preparing sites for extraction are also included. Quarries and mines attached to other properties are, as far as possible, classified in this division.

- 671. Coal mine
- 672. Ore mine
- 673. Ore concentration
- 674. Petroleum or natural gas well with accompanying reservoir
Oil and gas producing property, oil well and natural gas well operations, including prospecting and drilling, oil

- shale or bituminous sand operations, and extraction of crude oil. The operation of pipe lines is classified in Subdivisions 644 and 645.
675. Stone, slate, clay, gravel, sand; quarries or pits
The extraction of building and monumental stone or slate; ceramic, refractory and other clay and all sand and gravel.
676. Salt mine
The extracting and quarrying of salt, including evaporating as in salt pans, crushing, screening and refining. The refinement of salt for human consumption in establishments not engaged in extracting or quarrying salt is classified in Subdivision 719.
677. Chemical, fertilizer, mineral mine
The mining and quarrying of phosphate and nitrate minerals, fluorspar. Sulfur ores and natural sulfur, potash, sodium and borate minerals, borytes, pyrites, arsenic, strontium and lithium minerals and mineral pigments. Guano gathering is included.
678. Nonmetallic mineral mine or quarry
All other nonmetallic mining and quarrying, such as asbestos. Peat cutting and digging is included.
679. Mining, quarrying; natural raw materials; not elsewhere classified, specify in detail.
670. Mining, quarrying; natural raw materials; insufficient information given to classify further.

68. Nonmetallic Minerals, Mineral Products Manufacture

Manufacture of clay products; glass and glass products; pottery, china and earthenware; cement, concrete products and other nonmetallic mineral products. Coal and petroleum are classified in division 67.

681. Structural clay products manufacture
Manufacture of structural clay products such as bricks, tiles, pipes, crucibles, architectural terra cotta; stove lining, chimney pipes and tops; refractories.
682. Glass manufacture; excluding containers
Manufacture of all glass, glass products including glass fiber, and glassware except glass containers. Includes manufacture of optical glass, other than the grinding of optical lenses which is classified in subdivision 792 or 548.
683. Glass container manufacture
684. Pottery, china, earthenware manufacture
685. Cement manufacture

- 686. Concrete batch plant
- 687. Abrasive manufacture
Manufacture of abrasives, including the shaping of natural abrasives into grindstones, coating cloth and paper with abrasives and making abrasive bonded wheels and disks.
- 688. Nonmetallic mineral product manufacture
Manufacture of concrete, gypsum and plaster products, asbestos, mineral wool, cut-stone and stone products and all other nonmetallic mineral products.
- 689. Nonmetallic minerals, mineral products manufacture; not elsewhere classified, specify in detail.
- 680. Nonmetallic minerals, mineral products manufacture; insufficient information given to classify further.

60. Basic Industry, Utility, Defense

- 609. Basic Industry, Utility, Defense; not elsewhere classified, specify in detail.
- 600. Basic Industry, Utility, Defense; insufficient information given to classify further.

7. MANUFACTURING PROPERTY

Included is the mechanical or chemical transformation of inorganic or organic substances into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail. The assembly of component parts of manufactured products is part of Manufacture, except in cases where the activity is appropriately classified in Division 93, Construction.

Included are factories making products of all kinds and properties devoted to operations such as processing, assembly, mixing, packaging, finishing or decorating, repairing, and similar operations. However, for mineral processing, use 68.

71. Food

- 711. Slaughtering, preparation, preserving of meat
Abattoirs and meat-packing plants; killing, dressing and packing poultry, rabbits and small game. Included are processing and packing activities such as curing, smoking, salting, pickling, packing in air-tight containers, quick-freezing as well as manufacture of natural sausage casing and the rendering of lard and other edible animal fats. Use subdivision 714 for fish and sea foods.

712. Dairy product manufacture
Manufacture of creamy and processed butter, natural and processed cheese, condensed and other types of concentrated milk, ice cream and ices, powdered milk and other edible milk products. The pasteurizing and bottling of milk is also included.
713. Canning, preserving of fruits and vegetables
Canning (packing in air-tight containers) of fruits and vegetables including fruit and vegetable juices; manufacture of raisins and dried fruits, preserves, jams and jellies, pickles and sauces and canned soups. Dehydrating and quick-freezing are included.
714. Canning, preserving of fish, sea foods
Preserving, and processing fish and other marine foods. These processes include such operations as salting, drying, dehydrating, smoking, curing, cooling, pickling, packing in air-tight containers, and quick-freezing. Icing, salting, filleting of fish catch and processing of the catch aboard fishing vessels is classified in subdivision 948.
715. Manufacture of grain mill products
Grain mills (flour, meal, dry feeds); husking, cleaning, polishing of rice; preparation of breakfast foods such as rolled oats, rice, wheat and corn flakes, parched grain; prepared feeds for animals and fowls; blended and prepared flour, and other cereal and pulse preparations. Included are: coffee, pulse, root peeling mills and starch and its products.
716. Bakery product manufacture
Manufacture of bread, cakes, cookies, doughnuts, pies, pastries and similar "perishable" bakery products; biscuits and similar "dry" bakery products. Use 715 for breakfast foods.
717. Sugar refining and confectionery manufacture
Manufacture and refining of raw sugar, syrup and granulated or clarified sugar, from sugarcane or from sugar beets. Manufacture of cocoa and chocolate powder from beans, chocolates, all types of confectionery.
718. Snack foods manufacture
Potato chips and other products of deep fat frying.
719. Food industries; not elsewhere classified, specify in detail.
Food industries not elsewhere classified includes the manufacture of baking powder, yeast; condiments, mustard and vinegar; food specialties; egg specialties; spice grinding; processing of tea leaves into black tea; edible salt refining; harvesting and the manufacture of ice, ex-

cept dry ice. Dry ice manufacturing is classified in subdivision 761.

710. Food industries; insufficient information given to classify further.

72. Beverages, Tobacco, Essential Oils

721. Distilling, rectifying, blending spirits
The distilling of ethyl alcohol for all purposes. The distilling, rectifying and blending of alcoholic liquors.
722. Wines, winery
The production of wines, cider, and other fermented beverages except malt liquors.
723. Brewery, manufacture of malt
The production of malt and malt liquors.
724. Soft drink, carbonated water industry
Manufacture of nonalcoholic beverages, such as soft drinks and carbonated mineral waters. Include the incidental manufacture of flavoring extracts and syrup; for the manufacture of syrup alone, see 717.
725. Tobacco products manufacture
Manufacture of tobacco products. Stemming, redrying and other operations after auctioning which are connected with preparing raw-leaf tobacco for manufacturing are also included. Tobacco drying sheds are classified in subdivision 656.
726. Vegetable and animal oil, fat; soap making
Production of crude oil, cake and meal, by crushing or extraction, from oilseeds, and nuts; the extraction of fish and other marine animal oils; the rendering of inedible animal oils and fats; manufacture of margarine; and the refining and hydrogenation (or hardening) of oils and fats, except lard and other edible fats from livestock. The manufacture of lard and other edible fats is classified in subdivision 711, except butter, 712. Manufacture of soaps, detergents and other washing and cleaning compounds, except where the process is chemical only, not involving oil or fat.
729. Beverages, tobacco, essential oils; not elsewhere classified, specify in detail.
720. Beverages, tobacco, essential oils; insufficient information given to classify further.

73. Textiles

731. Cotton gin

732. Cotton; spinning, weaving
Preparing cotton fibers, such as picking, carding, combing, carbonizing, spinning, weaving of yarns and fabrics. Manufacture of narrow fabrics and other small wares; carpets and rugs; and lace, braids and other primary textiles. Asbestos spinning and weaving is classified in subdivision 688.
733. Wool, worsted; spinning, weaving
Preparing wool and worsted fibers, such as scouring, carding, combing, carbonizing, spinning, and weaving of yarns and fabrics. Manufacture of narrow fabrics and other small wares; carpets and rugs; and lace, braids and other primary textiles. Asbestos spinning and weaving is classified in subdivision 688.
734. Mixed, blended and other fibers; spinning, weaving
Preparing mixed, blended and other fibers such as flax, hemp, jute, silk, sisal and synthetic fibers, such as retting, scutching, scouring, carding, combing, carbonizing; throwing; spinning; weaving. Manufacture of narrow fabrics and other small wares; carpets and rugs; and lace, braid, yarn, and other primary textiles. Asbestos spinning and weaving is classified in subdivision 688.
735. Textile finishing plant
Bleaching, dyeing, printing, finishing of all fabrics, and fibers.
736. Knitting mills; all fibers
Establishments such as hosiery and knitting mills, primarily engaged in producing hosiery, outerwear, underwear and other knitwear, as well as knitting mills are included but the making up of garments from knitted fabrics other than in knitting mills is classified in subdivision 742.
737. Cordage, rope, twine and net manufacture
Manufacture of rope, cable, cordage, twine, net and other related goods from hemp, jute, cotton, paper, straw, coir, flax and other fibers.
738. Floor covering and coated fabric manufacture; excluding rubber
Manufacture of linoleum and other hard surfaced floor coverings, artificial leather, oilcloth, impregnated and coated fabrics, excluding rubber and clay tile which are classified in subdivisions 747 and 681 respectively.
739. Textiles; not elsewhere classified, specify in detail.
Manufacture of straw, coir and similar matting and mats; felt by processes other than weaving; batting, padding,

wadding and upholstery filling from all fibers. Included is the recovering of fibers from waste and rags. The manufacture of wood-excelstior upholstery filling is classified in subdivision 751.

730. Textiles; insufficient information given to classify further.

74. Footwear, Wearing Apparel, Leather, Rubber

741. Footwear manufacture

Manufacture of all kinds of footwear, boots, shoes, cut stock, findings, leggings, and gaiters from leather, fabrics, plastics, wood and other materials except vulcanized footwear, which is classified in subdivision 747. Repair shops which make footwear on a custom basis are classified in 522.

742. Wearing apparel manufacture; excluding footwear

Manufacture of wearing apparel by cutting and sewing fabrics, leather, fur and other materials; the making of hat bodies, hats and millinery; and the manufacture of umbrellas and walking sticks. The repair of wearing apparel in connection with the cleaning and pressing of these articles is classified in subdivision 796, tailor and dressmaking in 524, and shoe repair in 523.

743. Made-up textile goods manufacture; alterations excluding wearing apparel

Manufacturers who do no weaving and primarily engaged in making up cloth goods such as house furnishings, trimmings of fabric; embroideries; and pennants. Stitching, pleating and tucking for the trade is included.

744. Tanneries, leather finishing

Includes tanning, currying, finishing, embossing and japanning of leather.

745. Fur products manufacture: excluding wearing apparel

Includes scraping, currying, tanning, bleaching and dyeing of fur and other pelts. The manufacture of fur and skin rugs and mats, hatters fur and other fur and skin articles except wearing apparel which is classified in 742. Fellmongery is included.

746. Leather products manufacture; excluding footwear and wearing apparel

Manufacture of leather products (except footwear and other wearing apparel) and articles made of leather and leather substitutes, such as leather sporting goods. The manufacture of wooden saddlery is classified in subdivision 753.

- 747. Rubber, rubber products manufacture
Manufacture from natural or synthetic rubber and all kinds of rubber products. The reclaiming of rubber from used tires, scrap and miscellaneous waste rubber.
- 749. Footwear, wearing apparel, leather, rubber; not elsewhere classified, specify in detail.
- 740. Footwear, wearing apparel, leather, rubber; insufficient information given to classify further.

75. Wood, Furniture, Paper, Printing

- 751. Sawmill, planing mill, wood products mill
The manufacture of lumber products; wooden building materials and prefabricated parts and structures; cooperage and other wood stock; veneers and plywood; and excelsior. Included is the preservation of wood. Sawmills and planing mills, whether or not mobile or operated in the forest are included. The hewing and rough shaping of poles and other wood materials is classified in subdivision 662.
- 752. Wooden, cane containers, cane small ware manufacture
The manufacture of boxes, crates, drums, barrels, and other wooden containers; baskets and other rattan, reed or willow containers; and small ware made entirely or mainly of rattan, reed, willow or other cane.
- 753. Wood, cork products manufacture (not containers)
The manufacture of products of wood, cork and small ware consisting wholly or mainly of wood.
- 754. Furniture, fixture, bedding manufacture
Manufacture of household, office, restaurant, public building, and professional furniture; bedding, upholstery; office and store fittings and fixtures regardless of the materials used.
Manufacture of special medical furniture, equipment, fixtures, and machines is classified in subdivision 791.
- 755. Paper, pulp, paperboard manufacture
The manufacture of pulp, fibers and of paper, paperboard insulation board and fiber building paper. The coating, glazing and laminating of paper and paperboard is included except for the manufacture of asphalted and tar-saturated paper, abrasive paper, sensitized paper and carbon and stencil paper which are classified in subdivisions 768, 687, 792, and 799 respectively.
- 756. Paper, pulp, paperboard products manufacture
The manufacture of pressed and molded pulp goods and articles made of paper and paperboard.

- 757. Newspaper, magazine printing and publishing
Printing, lithographing, and publishing newspapers, periodicals, magazines, trade journals, reviews and related services.
- 758. Printing, publishing and allied industry
Includes commercial or job printing, lithographing; manufacture of greeting cards; looseleaf devices, library binders; bookbinding; blank book making; paper ruling; and other work related to bookbinding such as bronzing, binding and edging; map and mounting; services for the printing trades such as typesetting, engraving and etching steel and copper plates; making woodcuts; photoengraving; electrotyping and stereotyping. Type foundries are classified in subdivision 773. Engraving on precious metals is classified in subdivision 794.
- 759. Wood, furniture, paper, printing; not elsewhere classified, specify in detail.
- 750. Wood, furniture, paper, printing; insufficient information given to classify further.

76. Chemical, Plastic, Petroleum

For the purpose of this classification, a chemical is a material which has had or will have a controlled change in its molecular structure or composition, not involving polymerization; while a plastic is a material whose molecule has been polymerized. Use 61 for heavy water or for nuclear changes.

- 761. Industrial chemicals manufacture
Manufacture of industrial organic and inorganic chemicals and industrial gases. Included is dry ice manufacture. All monomers and plastics are excluded.
- 762. Hazardous chemical manufacture
Manufacture of materials requiring special handling in the manufacture, shipment, storage or use. Included are explosives, blasting agents, fireworks, matches, unstable rocket propellants, pyroxylin (cellulose nitrate) plastics, hazardous monomers, organic peroxides. The manufacture and handling of nuclear materials may be found under 61.
- 763. Plastic manufacture
Manufacture of raw materials for plastics except those included in 762, and of synthetic resins, plastics and elastomers.
- 764. Plastic products manufacture
Making of all plastic products; including plastic hous-

ings, enclosures, covers, linings, machine parts, moulding, extruding.

765. Paints, varnishes, lacquers, inks, waxes, adhesives manufacture

Includes manufacture of varnish stains and shellac; enamels and japans, polishes, gelatin.

766. Drugs, cosmetics, pharmaceuticals manufacture

The manufacture of drugs, medicinal and pharmaceutical preparations; perfumes, cosmetics and other toilet preparations.

767. Petroleum refinery and natural gasoline plant

Petroleum refineries, manufacture of petrochemicals, producing products from crude petroleum and its fractionation products including asphalt; and the manufacture of petroleum and petroleum products from coal and other materials, including blending of lubricating oils and greases; including refinery tankage.

768. Asphalt, coal products manufacture

Manufacture of asphalt tar or similar paving and roofing materials and fuel briquettes and packaged fuel. Included is the distillation of coal in coke ovens which is not associated with the manufacture of pig iron or the manufacture and distribution of coal gas. Coke ovens in iron and steel works are classified in subdivision 771 and gas works are classified in subdivision 643.

769. Chemical, plastic, petroleum; not elsewhere classified, specify in detail.

760. Chemical, plastic, petroleum; insufficient information given to classify further.

77. Metal, Metal Products

771. Iron and steel manufacture

Manufacture of iron and steel shapes, consisting of all processes from smelting in blast furnaces to the semi-finished stage in rolling mills and foundries. Also included are coke ovens associated with blast furnaces.

772. Nonferrous metal manufacture

Manufacture of nonferrous metal shapes, consisting of all processes from smelting, alloying and refining, rolling and drawing and founding and casting; that is, the production of ingots, bars and billets; sheets, strips, casting and extrusions.

773. Metal products manufacture; excluding manufacture of machinery, electrical and transport equipment.

Transformation of metal forms into finished products such as cutlery (household). Includes industries engaged in enamelling, japanning, lacquering, gilding, galvanizing, plating and polishing metal products; blacksmithing and welding. Manufacture of silverware and jewelry is classified in subdivision 794. The manufacture of specialized automobile, aircraft and ship parts is classified in the appropriate subdivision of division 78.

774. Machinery manufacture; excluding electrical
Manufacture of machinery and prime movers other than electrical equipment. Included are machine shops engaged in producing and repairing machine and equipment parts and the production of ball bearings and mechanical precision measuring instruments, as well as industrial engines, measuring and dispensing pumps.
The manufacture of automobile, aircraft and marine engines and other specialized parts is classified in the appropriate subdivision of division 78.
775. Electrical and electronic machinery manufacture
Manufacture of machinery, apparatus and supplies for the generation, storage, transmission and transformation of electrical energy. Includes the repair of electrical machinery. Excluded are instruments for measuring and recording electrical quantities and characteristics, classified in subdivision 791.
776. Electrical appliance manufacture
Manufacture of electrical appliances. Includes insulated wire and cables; electric lamps; computers, communication equipment and related products including radios and television sets; phonographs; electric batteries; X-ray and therapeutic apparatus; electronic tubes and components as well as the repair of electrical appliances. Excluded are instruments for measuring and recording electrical quantities and characteristics, classified in subdivision 791.
779. Metal, metal products; not elsewhere classified, specify in detail.
770. Metal, metal products; insufficient information given to classify further.

78. Vehicle Assembly or Manufacture

781. Shipbuilding, repairing; vessels over 65 feet
Shipyards engaged in building and repair work on vessels over 65 feet in length; barges, lighters, tugs whether self-

propelled or not; specialized marine engine, masts, spars, rigging and ship parts manufacturers; dry docks, ship breaking yards.

782. Boat building, repairing; vessels 65 feet and under.

Boatyards engaged in building and repair work on vessels 65 feet and under in length; boats, yachts, made of any material whether self-propelled or not; specialized marine engine, outboard engine, masts, sails, rigging and boat parts manufacture.

783. Railway equipment; manufacture, assembly and repair
The building and rebuilding of locomotives of any type, gauge and railroad or tramway cars for freight and passenger service; the production of specialized parts for locomotive and railroad tramway cars. Included is the manufacture of locomotives and cars by railway companies and repair work done in such locomotive shops.

784. Motor vehicle; manufacture and assembly

Manufacture and assembly of motor vehicles such as automobiles, cars, buses, trucks, truck trailers, universal carriers, motorcycles, and motor scooters; manufacture of motor vehicle parts and accessories. This subdivision does not include tires and tubes (subdivision 747); automobile glass (subdivision 682); electrical equipment (subdivision 775), agricultural equipment (subdivision 982); and roadbuilding tractors and fork-lift trucks (subdivision 774), or motor vehicle repairs (subdivision 573).

785. Bicycle; manufacture, assembly and repair

Manufacture of bicycles, tricycles, pedicabs and parts.

786. Aircraft, rocket; manufacture, assembly and repair

Manufacture, assembly and repair of aeroplanes, gliders, rockets, missiles and aircraft parts such as engines, propellers, pontoons and undercarriages. The manufacture of electric and electronic equipment is classified in subdivision 775 or 776; aeronautical instruments are classified in subdivision 791.

787. Manufacture of transport equipment, such as animal-drawn and hand-drawn vehicles. Parts such as wheels and axles are included.

789. Vehicle assembly: not elsewhere classified, specify in detail.

780. Vehicle assembly; insufficient information given to classify further.

79. Other Manufacturing

Manufacturing industries not classified in any other major division.

791. Instrument manufacture
Manufacture of measuring, controlling, laboratory and scientific instruments; surgical, medical and dental instruments and supplies. The manufacture of optical instruments for scientific and medical use is classified in subdivision 792; the manufacture of X-ray and electric therapeutic apparatus is classified in subdivision 776, and the production of measuring and dispensing pumps is classified in subdivision 774.
792. Photographic, optical goods manufacture
The manufacture of optical instruments and lens grinding; ophthalmic goods, photographic equipment and supplies, including sensitized film, plates and paper. Includes optical instruments for scientific and medical use.
793. Watch, clock manufacture
The manufacture of clocks and watches of all kinds; clock and watch parts and cases; and mechanisms for timing devices.
794. Jewelry manufacture
Manufacture of jewelry, silverware and plate ware, using precious metals, precious and semiprecious stones and pearls. The cutting and polishing of precious and semiprecious stones and the striking of medals and coins are included, as well as engraving on precious metals.
795. Musical instruments manufacture
The manufacture of musical instruments, such as pianos, string instruments, wind instruments, percussion instruments; phonograph record blanks.
Manufacture of phonographs and speech recording machines is included in subdivision 776.
796. Laundry; dry cleaning plant
Mechanical and hand laundries: supplying of laundered linens (aprons, table covers, towels, napkins or diapers) on a contract basis; cleaning, pressing, and dyeing, and minor repair of apparel and household furnishings.
797. Photographic film processing laboratory
Processing of photographic film, motion picture or still, in special plants and centers. Excluded is processing, incidental to other operations, such as to a newspaper office.
798. Toys, sporting goods; not elsewhere classified
799. Other manufacturing; not elsewhere classified, specify in detail. (Include carbon and stencil paper.)
790. Other manufacturing; insufficient information given to classify further.

70. Industrial Property; unclassified

- 708. General maintenance shop; not elsewhere classified
- 709. Industrial property; not elsewhere classified, specify in detail.
- 700. Industrial property; insufficient information given to classify further.

8. STORAGE PROPERTY

Storage includes all buildings, structures, or areas utilized primarily for the storage or sheltering of goods, merchandise, products, vehicles, or animals, including servicing, processing or repair operations incidental to storage.

Storage properties are characterized by the presence of relatively small numbers of persons in proportion to the area; any new use which increases the number of occupants to a figure comparable with other classes of properties changes the classification of the building to that of the new use.

The resale (sale without transformation) of goods to business units and to institutions and government is included, such as the resale of industrial and construction materials, machinery and equipment; farm machinery, implements and supplies; and business and professional equipment. Warehousing, grading and sorting, breaking bulk and repacking which is associated with reselling is also included. Repacking in airtight containers is canning and is classified in subdivisions 713 and 714.

If substantial mercantile or office operations exist (10 customers or more present at busy period) then classify where appropriate in major division 5.

81. Agricultural Products Storage

- 811. Seeds, beans, nuts, silage storage in bulk
Storage of seeds, beans or grain, natural feed, hay or nuts in bulk in bins, silos, or piles in the open, cribs, excluding storage in barns, which is classified in Subdivision 815, and storage in elevators, which is classified in 816.
- 812. Boxed, crated or packaged agricultural products storage
Agricultural products stored in boxes, crates or cartons and packages of wood, paper or cardboard of any size.
- 813. Loose or bagged agricultural products storage
Agricultural products stored in bags of any material and any size or stored loose. Bagged products inside cardboard boxes are classified in subdivision 812. Loose tobacco storage is classified in subdivision 814. Bulk storage of seeds, feeds, beans, nuts and grain is classified in subdivision 811.

- 814. Loose or baled tobacco storage
Tobacco stored in loose quantities or in bales in crates or hogsheads, and barrels before or after auction, but before manufacture of finished tobacco products. Tobacco curing sheds and storage during processing are included in subdivisions 656 and 725 respectively.
- 815. Barns, stables
Storage in buildings called barns. All storage associated with barns, such as animals, vehicles, feed, etc., is included; stables are included. Excluded are silos which are classified in subdivision 811.
- 816. Grain elevators
Include soy bean elevators
- 817. Livestock storage
Storage of livestock at any point beyond the raising ranch or farm. At rail and truck stockyards and other livestock pens and yards.
- 818. Agricultural supply storage
Storage of materials for sale in agricultural areas. Included are feed, fertilizer and nonmotorized farm implements. Hay, grain, seed and feed stores are included.
- 819. Agricultural products storage; not elsewhere classified, specify in detail.
- 810. Agricultural products storage; insufficient information given to classify further.

82. Textile Storage

- 821. Baled cotton storage
Includes cotton compress
- 822. Baled wool or worsted storage
- 823. Baled silk or synthetic fiber storage
- 824. Baled jute, hemp, flax, sisal, other mixed or blended fiber storage
- 825. Cloth and yarn storage
- 826. Wearing apparel, garments, and finished textile storage
- 827. Leather, leather products storage
- 828. Fur, skin, hair products storage
- 829. Textile storage; not elsewhere classified, specify in detail.
- 820. Textile storage; insufficient information given to classify further.

83. Processed Food, Tobacco Storage

- 831. Packaged foodstuff storage
Foodstuffs stored in cardboard or paper packages.

- 832. Canned or bottled food or soft drink storage
Storage of canned or bottled foodstuffs, including plants which bottle materials made elsewhere.
- 833. Loose or bagged processed food storage
Processed foods stored in bulk or in bags of any material or any size. Animal feed in hay, grain, seed, and feed stores is classified under 818. Natural animal feeds stored in bulk are classified in subdivision 811. Natural animal feed stored in bags is classified in subdivision 813.
- 834. Food locker plants
- 835. Cold storage
Storage in refrigerated buildings or buildings with a carefully controlled atmosphere regardless of type or size of product or package. Ice storage is classified in subdivision 897, food lockers 838.
- 836. Bulk sugar storage
- 837. Bulk flour or starch storage
- 838. Packaged tobacco product storage
Storage of finished tobacco products in any type package of any type material.
- 839. Processed food, tobacco storage; not elsewhere classified, specify in detail
- 830. Processed food, tobacco storage; insufficient information given to classify further.

84. Petroleum Products and Alcoholic Beverage Storage

Includes gases of all kinds, flammable liquids, and combustible liquids, except those specifically mentioned in 86, below, such as 865 for paint and varnish.

- 841. Flammable or combustible liquids tank storage, bulk plants, terminals, and tank farms. Includes airport fuel dispensing systems, but not refinery tankage (767) or reservoir at oil well (674).
- 842. Gasometer and cryogenic gas storage
- 843. LP-Gas bulk plant
For filling of individual cylinders for the public, see service stations in 571.
- 844. Missile and rocket fuel storage
At manufacturing plant, launching site, and intermediate fixed storage locations.
- 845. Packaged petroleum products storage
- 846. Alcoholic beverage storage
Storage of liquor, beer, wine, and other alcoholic beverages, including barrels, casks, kegs, and bottles.

- 849. Petroleum products and alcoholic beverage storage; not elsewhere classified, specify in detail.
- 840. Petroleum products and alcoholic beverage storage; insufficient information given to classify further.

85. Wood and Paper Products Storage

- 851. Lumberyard, building materials storage
Storage of lumber and building materials. Excluded is storage of timber, pulpwood, logs, and wood fuel, classified in 662, and wood chips, 666.
- 852. Wood products, furniture storage
- 853. Fiber products storage
Storage of products made from fibers of ordinary combustible materials, such as fiberboard; or noncombustible fiber materials with combustible components, such as fiberglass insulation. Included also are pulp, felt, excelsior, rope.
- 854. Rolled paper storage
- 855. Paper, paper products storage
Includes cartons, bags, waste paper, and baled paper, but excludes rolled paper (854) and pulp storage (853).
- 859. Wood and paper products storage; not elsewhere classified, specify in detail.
- 850. Wood and paper products storage; insufficient information given to classify further.

86. Chemical or Plastic, Chemical or Plastic Product Storage

For the purpose of this classification, a chemical is a material which has had or will have a plant controlled change in its molecular structure or composition, not involving polymerization; while a plastic is a material whose molecule has been polymerized.

- 861. Industrial chemical storage
- 862. Hazardous chemical storage
(For radioactive materials, use 611.)
- 863. Plastic, plastic product storage
- 864. Fertilizer storage. Also see 818.
- 865. Paint, varnish storage
- 866. Drugs, cosmetics, pharmaceutical storage
- 867. Rubber, rubber products storage
- 868. Photographic film storage
Storage of photographic films, new or exposed, including motion picture film, X-ray film, industrial and hobby film. Included are picture distribution facilities such as film exchanges.

- 869. Chemical or plastic, chemical or plastic product storage; not elsewhere classified, specify in detail. Includes soap and detergents.
- 860. Chemical or plastic, chemical or plastic product storage; insufficient information given to classify further.

87. Metal, Metal Product Storage

- 871. Basic metal form storage
- 872. Metal parts storage (often in trays or bins, or on racks)
- 873. Hardware storage, including storage of auto parts, auto accessories, tools, plumber's supplies
- 874. Machinery storage
- 875. Electrical appliance and supply storage
- 876. Finished metal products storage (often in cartons or crates)
- 877. Scrap and junkyards
Including nonmetal waste and scrap, such as wastepaper and tires. For refuse use 912.
- 879. Metal, metal products storage; not elsewhere classified, specify in detail.
- 870. Metal, metal products storage; insufficient information given to classify further.

88. Vehicle Storage

- 881. Garage, residential parking
Parking of motor vehicles in one-story residential garages. Dwelling garages are included whether separate or attached. All other garages are classified in subdivision 882.
- 882. Garage, general vehicle parking
Parking structures for vehicles of various ownership under the direction of one management. Parking in open lots, special open structures is included. Excluded are facilities for repair of motor vehicles classified in subdivision 573. Parking of vehicles in dwelling garages and one-story residential garages are classified in subdivision 881.
- 883. Bus, truck, auto fleet, automobile dealer storage
Parking of motor vehicles under the same ownership and management. Truck parking, auto fleet parking, bus parking, trackless trolley parking, taxicab parking are included. Machinery and equipment storage are excluded and classified in subdivision 884.

- 884. Heavy machine and equipment storage
Parking of road, farm, and contracting equipment in a suitable managed location. Public works vehicles, construction and earth-moving equipment, dump trucks and cranes are included.
- 885. Boat, ship storage
A marine parking "garage." Docking and mooring facilities for boats in the water. Included are launching facilities and storage of boats, ships for relatively long periods of time. Excluded are yacht club buildings which are classified in subdivision 143, boat repairing yards which are classified in subdivision 782 and marine service stations which are classified in subdivision 577.
- 886. Aircraft hangar
- 887. Railway storage
Locomotive storage, car storage and track repair equipment are included. All fixed railroad storage facilities are included. Railroad yards and signaling and switching facilities are classified in division 95.
- 888. Fire stations
- 889. Vehicle storage; not elsewhere classified, specify in detail.
- 880. Vehicle storage; insufficient information given to classify further.

89. General Item Storage

- 891. General warehouse
Warehouses storing wood furniture mainly are classified in 852. Warehouses storing foodstuffs mainly are classified in division 83. Warehouses storing textiles mainly are classified in division 82.
- 892. Bagged mineral products storage
Includes cement, lime, gypsum.
- 893. Packaged mineral products storage
Includes glass, clay products, pottery, and earthenware.
- 894. Freight terminal
- 895. Coal, coke, briquette, and charcoal storage
Storage of solid fuels in bag, box, or bulk. For wood fuel use 662.
- 896. Military stores, national defense storage; not elsewhere classified.
- 897. Ice storage
Storage of natural and manufactured ice. Though traditionally stored in sawdust, separate, detached, portable coin-operated storage and dispensing units are included

as are other forms of ice storage. Dry ice manufacturing is classified in subdivision 761.

898. Wharf, pier

899. General item storage; not elsewhere classified, specify in detail.

890. General item storage; insufficient information given to classify further.

80. Storage Properties, Unclassified

809. Storage property; not elsewhere classified, specify in detail.

800. Storage property; insufficient information given to classify further.

9. SPECIAL PROPERTIES

These properties are not readily classified in any of the preceding Major Divisions. They include mainly outdoor properties.

91. Construction, Unoccupied Property

Construction or demolition done by contractors or governmental authorities. Included is work done by specialist contractors such as carpenters, plumbers, masons, plasterers and technicians. Excluded are remodeling, repairs, construction or demolition done by the staff or employees of a property or that done in the normal operation of an enterprise, such as clearing earth for mining.

911. Building under construction

912. Building under demolition

913. Construction, other than buildings

914. Demolition, other than buildings

915. Vacant property

Property without contents.

916. Contractors shed

917. Idle property

Idle property with some or all contents of previous occupancy.

918. Building under renovation

919. Construction. Unoccupied Property; not elsewhere classified, specify in detail.

910. Construction. Unoccupied Property; insufficient information given to classify further.

92. Special Structures

- 921. Bridge, trestle
Overhead elevated structures; such as bridges, trestles, overpasses, elevated road and railway.
- 922. Tunnel
If under 100 feet classify in subdivision 923.
- 923. Underpass
- 924. Toll station
- 925. Shelter
Includes storm, tornado, bomb, or fallout
- 926. Outbuilding, excluding garage
- 927. Outdoor telephone booth
- 928. Aerial tramway
Includes ski lift and chair lifts
- 929. Special structures; not elsewhere classified, specify in detail
- 920. Special structures; insufficient information given to classify further

93. Outdoor Properties

- 931. Open land, field
Fires in grass, brush and light ground cover on property without buildings. If building is present, include with appropriate property. Forest fires are classified in Subdivision 661. Felled timber and log piles are classified in Subdivision 662. Farm crops are classified in subdivision 655.
- 932. Dump
Refuse disposal areas and dumps in open ground are included.
- 933. Public mailbox
- 934. Cemetery
- 939. Outdoor properties; not elsewhere classified, specify in detail
- 930. Outdoor properties; insufficient information given to classify further

94. Water Areas

- 941. In open sea, lake or river
- 942. Within designated port, channel or anchorage
- 943. Alongside quay, pier, or pilings
Excludes flammable liquid or gas loading or unloading facility