

NFPA No.

901

CODING SYSTEM FOR FIRE REPORTING 1971



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NATIONAL FIRE PROTECTION ASSOCIATION

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Official NFPA Definitions

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Coding System for Fire Reporting

NFPA No. 901 — 1971

1971 Edition of No. 901

This 1971 edition of NFPA No. 901 was officially adopted May 18, 1971 at the Annual Meeting of the National Fire Protection Association held in San Francisco, California, and incorporates changes recommended by the Committee on Fire Reporting. This edition supersedes the 1969 edition.

Committee on Fire Reporting

Ed J. Herron, Chairman,

Grinnell Mutual Reinsurance Co., Box 420, Grinnell, Iowa 50112

Rexford Wilson, Secretary,

Firepro Incorporated, 721 Worcester St., Wellesley, Mass. 02181

Benjamin B. Aycock, South-Eastern Underwriters Assn.

Bernard H. Battaglin, Fire Insurance Research & Actuarial Assn.

Milton Q. Bullock, Metropolitan Public Safety Dept., Miami, Fla.

Willis H. Burton, Jr., County of Fairfax, Va.

John J. Cunningham, New York Fire Dept.

John Fetty, International Assn. of Electrical Inspectors

G. W. Fulbright, San Antonio Fire Department

Anthony R. Granito, Office of Local Government, Albany, N. Y.

Hans E. Grigo, National Safety Council

W. L. Heaton, rep. Fire Marshals Assn. of North America

Lawrence B. Hicks, Federal Fire Council

Stuart Hornby, Department of Public Works, Ottawa, Ont., Canada

Ted L. Hughes, Seattle Fire Department

Graydon L. Loomis, Eastman Kodak Co.

Batt. Chief Joseph Lovett, International Assn. of Fire Fighters

Chief W. T. Miller, Baker, La. Volunteer Fire Dept.

Capt. William Neville, Jr., Los Angeles Fire Department

Cornelius H. O'Brien, Div. of State Fire Marshal, Columbus, Ohio 43215

Chief Fred Quinlan, rep. International Assn. of Fire Chiefs

Steve Remias, Dept. of Health, Education, and Welfare, Cincinnati, Ohio

R. W. Shaul, National Electrical Manufacturers Assn.

C. Walter Stickney, Fire Marshals Assn. of North America

Robert A. Young, American Insurance Assn.

Alternates.

Donald L. Drumm, American Insurance Assn. (Alternate to Robert Young)

L. E. LaFehr, International Assn. of Electrical Inspectors (Alternate to John Fetty)

Charles A. Logan, U. S. Department of Agriculture (Alternate to Lawrence B. Hicks)

K. P. Stiner, I-T-E Imperial Corp. (Alternate to R. W. Shaul)

SCOPE: To develop standard methods of compiling fire experience data by the fire service. The main purposes of this Committee are to develop standard occupancy and cause classifications for use by cities and states in the reporting of fires, to suggest other useful information that needs to be collected, and to develop standard forms for these purposes.

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.

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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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 certain codes may be omitted entirely; and that for certain other codes the first digit, or the first two digits, tells the chief part of the story, and the final digit may be dropped if the policy of the reporting agency so dictates. For instance, in the property classification, Chapter B and Appendix A, it would 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 abbreviated code, 41, is sufficient to describe a "dwelling."

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

1. It is only through such a system that a dependable body of facts bearing in 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 for any large area, or to know exactly what we mean when we use the term "dwelling" and quote fire facts regarding these buildings.

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

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

1. Purpose of Definitions

11. The purpose of definitions as given below is to provide a common language, and thus it is the purpose in defining fire casualty to adhere as closely as possible to the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Eighth Revision," as prepared by the World Health Organization and as accepted by authorities in the United States and Canada.

2. Fire and Casualty 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 weeks 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.

24. Fire Casualty

241. 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 (see Section 244 below).

242. **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).

243. **FIRE DEATH.** A fire death is a fire casualty which is fatal or becomes fatal within one year after the fire.

244. **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."

245. **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 itself a fire. If the accident is a fire, the injury is a direct fire injury.
- (c) Over-exertion 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 duties, due to the violence of others.
- (f) Injuries suffered by firefighters while in the performance of any assigned duties.

3. General Definitions

31. Property (Chapters A and B)

311. **OCCUPANCY.** The use of property.

312. **VACANT PROPERTY, OR NO OCCUPANCY.** Property without contents.

313. **COMPLEX.** A multiuse property having three or more chief occupancies. (See Chapter A.)

32. Ignition Classification (Chapters F-J)

321. **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: "source of heat of ignition," and "form of heat of ignition."

322. **THE MATERIAL IGNITED.** The combustible which is first set on fire by 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."

323. **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."

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

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

326. **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.

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

33. **Property Inventory.** What is known about a property before the fire, knowledge which may aid in preplanning. This knowledge is in two parts: that which is general in character and has to do with location, water supply, and construction features which may be determined from an external inspection; and that which is specific in character, relating to internal features which may influence a fire chief in his choice of fire fighting tactics.

34. **Fire Report** (Chapters K and L)

341. The fire report must cover many items, some of which are mentioned in Chapters A through J; but the ones that specifically apply to a given incident are those mentioned in Chapters K and L. These are the items which would be known only after an incident. Of course, ignition classification would also be known only after an incident, but that is covered in Chapters F-J.

342. **INCIDENT.** The movement of a piece of fire apparatus in response to an alarm.

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

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

345. **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 Chapter B, "Property Classification List."

or

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

and

2. located within a continuous boundary

and

3. operated under one business management or ownership.

A3. Only the following 15 "property complex" categories are intended to be reported. These are the principal complexes actually found in the field.

Airport Complex	97	Military Reservation,	
Amusement Park, Zoo Complex ..	11	Defense Complex	63
Apartment House Complex	42	Mobile Home Complex	47
College, University Complex	24	Office, Government Complex ..	59
Farm Complex	65	Prison Complex	34
Hospital, Medical Center,		Railroad Transport Complex	95
Mental Institution Complex ..	33	Shopping Center, Department	
Hotel Complex	44	Store, Discount Complex	58
Industrial Plant, Manufac-		Stadium, Park, Exhibition	
turing Complex	70	Hall Complex	12
Marina, Waterfront Complex ..	94	Warehouse, Storage Complex ..	80

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 Chapter B "Property Classification" codes for the following examples are:

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

A52. A university chapel fire 24-131

A53. A fire in an apartment in a project of four apartment houses 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 Classification List**B1. Alphabetical and Logical Lists**

B11. The property classification list that follows is alphabetical, since people, in general, can more easily find what they want alphabetically than in any other way. 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.

The main headings are:

1. Public Assembly
2. Education
3. Institution
4. Residence
5. Store and Office
6. Basic Industry, Miscellaneous
7. Manufacture
8. Storage
9. Special Property

B2. Purpose of List

B21. The purpose of the list is to provide a simple and uniform system for the classification of property use. Other details about the property, such as the ownership, the size, or the construction may be found elsewhere.

B22. The list is valuable in preparing an inventory, in identification for license or inspection purposes, and in reporting and analyzing fire experience.

B3. Organization of List

B31. 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 406 subdivisions, omitting miscellaneous and unknown categories.

B32. 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 places type, but “not elsewhere classified.”

B33. No. 0 has been reserved throughout for reports on property use where “insufficient information given to classify further.” For example, 100 indicates a public assembly property of an unknown type.

B34. Those reporting agencies whose data processing system makes provision for only nine digits in any one column may, of course, combine the 9 and 0 codes discussed above.

B4. The Alphabetical List

B41. The alphabetical list of property use classification follows:

711	Abattoir	812	Agricultural products, boxed
687	Abrasives plant	813	Agricultural products, loose
742	Academic robe mfg	818	Agricultural supply storage
221	Academy, boarding	774	Agricultural tractor mfg
142	Academy, riding	774	Air compressor mfg
761	Acetylene gas mfg	774	Air condition mchry, mfg
761	Acid plant	776	Air conditioner mfg, unit type
763	Acrilan fiber mfg	591	Air force office
776	Adding machine mfg	925	Air raid shelter
595	Addressing firm	761	Air reduction
765	Adhesive mfg, not synthetic resin	773	Air rifle mfg
764	Adhesives mfg, synthetic resin	972	Aircraft 12,500 lbs and over
591	Administrative office	971	Aircraft, 12,499 lbs and under
799	Advertising display mfg	786	Aircraft assembly
754	Advertising sign mfg	894	Aircraft freight terminal
774	Aerial cableway mfg	978	Aircraft, ground effect, non-military
986	Aerial tramway	886	Aircraft hangar
791	Aeronautical instrument mfg	786	Aircraft mfg, repair
311	Aged persons home, w/nursing	976	Aircraft, military combat
312	Aged persons home, w/o nursing	977	Aircraft, military noncombat
773	Agricultural fork mfg	973	Aircraft, reciprocating engine, fixed wing
626	Agricultural laboratory	974	Aircraft, turbine engine, fixed wing
774	Agricultural machine mfg, non-elec	975	Aircraft, vertical take-off
		173	Airline limousine terminal

786	Airplane mfg, assembly, repair	424	Apartment, over 20 families
841	Airport bulk plant	654	Apiary
933	Airport, constr, repair	655	Apple growing
632	Airport control tower	776	Appliance assembling, elec
934	Airport, demolition	776	Appliance repair, elec w/mfg
841	Airport, gasoline, distributing	532	Appliance repair, elec w/sales
171	Airport passenger terminal	538	Appliance repair, shop w/o sales
721	Alcohol beverage distillery	532	Appliance store
721	Alcohol, industrial distilling	742	Apron mfg
721	Alcohol plant	933	Aqueduct, constr, repair
846	Alcoholic beverage stge	934	Aqueduct, demolition
723	Ale mfg	594	Architect office
846	Ale storage	123	Arena, sports
715	Alfalfa mill	761	Argon gas mfg
761	Alkali mfg	591	Armed forces office
111	Alley, bowling	784	Armored car mfg, assembly
966	All terrain vehicle	122	Armory hall
758	Almanac, publishing, printing	582	Army and navy store
524	Alteration shop, garment	591	Army office
772	Aluminum casting	677	Arsenic, mining, quarrying
773	Aluminum, hollow ware, mfg	779	Arsenic, processing
772	Aluminum, refining, etc	152	Art gallery, incl sales
773	Aluminum, stamping	233	Art school
772	Aluminum, wire drawing	563	Art supply sales
784	Ambulance mfg, assembly	761	Artificial color mfg, food
761	Ammonia synthesis	742	Artificial flower mfg
761	Ammonium nitrate plant	738	Artificial leather mfg
864	Ammonium nitrate storage	791	Artificial limb mfg
762	Ammunition mfg	761	Artificial manure mfg
552	Ammunition sales	799	Artist brush mfg
123	Amphitheater	765	Artist color mfg
113	Amusement hall, place, booth	799	Artist material mfg, excl paint
773	Anchor mfg	765	Artist paint mfg
791	Anesthetic machine mfg	563	Artist supply sales
556	Animal care center	688	Asbestos concrete product mfg
833	Animal feed storage, processed	688	Asbestos fiber working
813	Animal feed storage, un-processed	678	Asbestos, mining, quarrying
719	Animal food preparing, mfg	688	Asbestos products plant
715	Animal food, stock dry feed	768	Asphalt impregnated paper mfg
556	Animal hospital	678	Asphalt, mining, quarrying
719	Animal medicine, preparing	768	Asphalt plant, mfg
726	Animal oil refinery, nonedible	774	Asphalt road machine mfg
726	Animal oil rendering, non-edible	591	Association office
556	Animal shop, supplies	742	Athletic clothing mfg
663	Animal, trapping, hunting	141	Athletic club, w/o sleeping
531	Antique shop	421	Athletic club, w/sleeping
421	Apartment, 1-2 families, w/business	1-2 units	
422	Apartment, 3-20 families, w/business	423	Athletic club, w/sleeping
423	Apartment, 3-20 families, w/o business	3-20 units	
		424	Athletic club w/sleeping over 20 units
		933	Athletic field constr, repair
		934	Athletic field, demolition
		798	Athletic goods mfg

758	Atlas mfg	824	Bale storage, jute, hemp, sisal fiber
611	Atomic fission, fusion materials mfg	823	Bale storage, silk, synthetic fiber
976	Attack bomber	822	Bale storage, wool, worsted
531	Auction house	812	Baled hay, outside
182	Auditorium	855	Baled paper stge
591	Auditors office	774	Ball bearing mfg
784	Auto accessory mfg	747	Ball mfg, rubber or synthetic
575	Auto accessory sales	123	Ball park
873	Auto accessory storage	979	Balloon
573	Auto body repairing	947	Balloon, towed petroleum
573	Auto paint shop	799	Ballpoint pen mfg
873	Auto parts storage	121	Ballroom
877	Auto salvage, junk yard	752	Bamboo products mfg
573	Auto seat cover shop	754	Bank furniture mfg
573	Auto specialty repair shop	758	Banknote printing
575	Auto supply store	592	Banks
877	Auto wrecking	592	Banks, branch office
161	Automat	743	Banner mfg
795	Automatic piano mfg	163	Bar, alcoholic beverage
784	Automobile assembly plant	754	Bar furniture mfg
571	Automobile filling station	557	Barber shop
883	Automobile lot	561	Barber supplies, store
784	Automobile mfg, assembly	947	Barge
784	Automobile parts mfg	781	Barge, building, repairing
961	Automobile, passenger	947	Barge, tank
573	Automobile repair shop	715	Barley, milling, rolling
574	Automobile salesroom	815	Barn
575	Automobile tire store	464	Barrack
573	Automobile top shop	752	Barrel plant
573	Automotive muffler shop	751	Barrel stave mfg
231	Automotive school	751	Barrelhead mfg
924	Awning, canopy	677	Barytes, mining, quarrying
743	Awning mfg	761	Barytes, processing
526	Awning store	773	Base metal, cold pressing, etc
773	Axe mfg	752	Basket mfg
785	Axle mfg, cycle	686	Batch plant, concrete or cement
784	Axle mfg, motor vehicle	116	Bathhouse
743	Baby blanket mfg	116	Bathing beach
787	Baby carriage mfg	747	Bathing cap mfg
742	Baby clothes mfg	771	Bathub mfg, cast iron
713	Baby food mfg, homogenized	747	Battery case mfg
712	Baby food mfg, with milk base	776	Battery mfg
711	Bacon curing	739	Batting mill
799	Badge mfg	673	Bauxite mine, quarry
773	Bag clasp mfg, base metal	772	Bauxite processing
743	Bag mfg, burlap	773	Bayonet mfg
746	Bag mfg, leather	142	Beach club
754	Bagatelle board mfg	715	Bean, grinding, splitting
892	Bagged mineral prod stge	811	Bean storage, bulk
737	Bagging cord plant	774	Bearing mfg, roller, ball, needle
716	Bakery	557	Beauty shop
513	Bakery, sales	754	Bedding plant
719	Baking powder mfg		
747	Balata products mfg		
821	Bale storage, cotton		

743	Bedsprad mfg	322	Boarding care home, children
654	Bee raising	332	Boarding care home, nonaged convalescent
723	Beer mfg		Boarding house, 4-8 roomers
163	Beer parlor	431	Boarding house, 9-15 roomers
846	Beer stge	432	Boarding house, over 15 roomers, yr rd
742	Belt mfg., excl leather	441	Boarding school classroom bldg
746	Belt mfg, leather	576	Boat accessory sales
744	Belting leather tannery	948	Boat, commercial fishing
747	Belting mfg, rubber or synthetic	782	Boat mfg
744	Belting plant, canvas	885	Boat mooring, fueling, docking
732	Belting plant, cloth	782	Boat repair, no sales
767	Benzene mfg	576	Boat sales
141	Bet taking shop	885	Boat storage
723	Beverage mfg, beer	885	Boathouse
724	Beverage mfg, nonalcoholic	143	Boating club
721	Beverage mfg, spirits	782	Boatyard, vessels 65 ft and under
722	Beverage mfg, wine		Bobbin mfg
846	Beverage storage, alcoholic	753	Body mfg, cycle
832	Beverage storage, soft	785	Body mfg, motor vehicle
514	Beverage store	784	Body repair shop, motor vehicle
785	Bicycle assembly and repair	573	Bog ore mining, quarrying
966	Bicycle, motorized	717	Boiled sweets mfg
552	Bicycle sales and repair	688	Boiler gasket mfg
871	Billet storage	646	Boiler house
112	Billiard center	771	Boiler mfg, cast iron
754	Billiard table mfg	781	Boiler mfg, marine
774	Binder machine mfg	688	Boiler packing mfg, asbestos
758	Binder mfg, paper, cardboard	774	Boilerhouse machine mfg
758	Bindery, book	773	Bolt mfg, metal
113	Bingo hall	662	Bolt, wood, hewing, rough cutting
792	Binocular mfg	773	Bomb case mfg
621	Biological laboratory	762	Bomb filling
719	Birdseed mixing	925	Bomb shelter
716	Biscuit mfg	726	Bone oil, refining
674	Bituminous sand operation	799	Bone products mfg
773	Blacksmith shop	719	Bone, scraping, crushing
758	Blank book mfg	914	Bonfire
776	Blanket mfg, elec	758	Book, bronzing, gilding, edging
743	Blanket mfg, nonelec	758	Book mfg, blank
771	Blast furnace	758	Book, publishing, printing
762	Blasting agent mfg	758	Book repair
761	Bleach mfg	541	Book store, new, used
123	Bleachers, for seating	758	Bookbinding
735	Bleaching plant	774	Bookbinding machine mfg
726	Blended table oil mfg	141	Bookmaker place, gambling
776	Blender mfg, elec, kitchen	774	Boot mchry, mfg
754	Blind mfg, venetian, nonwood	741	Boot mfg, excl. vulcanized rubber
751	Blind mfg, wood	747	Boot mfg, vulcanized rubber
333	Blind persons institution		
662	Blocks, wood, rough cutting		
742	Blouse mfg		
595	Blueprinting firm		
311	Boarding care home, aged w/nursing		
312	Boarding care home, aged w/o nursing		

523	Boot repair	911	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	954	Budd car
677	Borate minerals, mining, quarrying	851	Builders supply warehouse
761	Borate minerals, processing	935	Building condemned
774	Boring machine mfg	688	Building face stone works
756	Bottle cap, seal mfg	751	Building mfg, portable wooden
683	Bottle plant	755	Building paper mfg, fiber
683	Bottle stopper, glass mfg	751	Building products mfg, wood
774	Bottling mchry, mfg	555	Building supply store
724	Bottling plant	931	Building under construction
753	Bowl mfg, wood	932	Building under demolition
111	Bowling establishment	938	Building under renovation
552	Bowling shop	843	Bulk LP-gas plant
773	Box mfg, metal	841	Bulk plant, petroleum
756	Box mfg, paper	981	Bulldozer
752	Box mfg, wood	774	Bulldozer mfg
752	Box plant, wood	752	Bung mfg
742	Brace suspender mfg	466	Bunkhouse
732	Braid mfg, cotton	949	Buoy maintenance
734	Braid mfg, mixed, other fibers	753	Buoy mfg, cork
733	Braid mfg, wool or worsted	743	Burlap bag mfg
737	Braided cord mfg	824	Burlap storage, bales, bags
688	Brake lining mfg	962	Bus
785	Brake mfg, cycle	784	Bus mfg, assembly
784	Brake mfg, motor vehicle	883	Bus parking
721	Brandy mfg	574	Bus sales
773	Brass hollow ware	173	Bus terminal
772	Brass, refining, etc	232	Business school, commercial
773	Brass, stamping	712	Butter mfg
772	Brass wire drawing	835	Butter stge
742	Brassiere mfg	799	Button mfg
716	Bread mfg	961	Cab
715	Breakfast food mfg	116	Cabana
723	Brewery	451	Cabin, tourist
682	Brick, glass mfg	754	Cabinet shop
681	Brick, heat-resisting mfg	774	Cable car mfg
774	Brick making machine mfg	776	Cable mfg, insulated, elec
681	Brick plant, nonglass	634	Cable, telephone, telegraph
921	Bridge	634	Cable, terminal, telephone
933	Bridge, constr, repair	161	Cafe
934	Bridge, demolition	161	Cafeteria
676	Brine pit	122	Cage, athletic practice
768	Briquette mfg	716	Cake mfg
895	Briquette stge	719	Cake mix mfg
773	Bronze hollow ware	776	Calculating machine mfg
772	Bronze, refining, etc	792	Camera equipment plant
773	Bronze stamping	792	Camera mfg
772	Bronze wire drawing	553	Camera store
799	Broom mfg	473	Camping trailer, collapsible
799	Brush mfg	773	Can mfg, metal
		726	Candle mfg

726	Candle plant	776	Cathode ray tube mfg
717	Candy mfg	652	Cattle raising
513	Candy shop	776	Ceiling fixture mfg, elec
752	Cane, container mfg	341	Cell block, prison, men
752	Cane products mfg	925	Cellar, cyclone
713	Cannery, fruit, vegetable	762	Cellulose nitrate plastic fabricating
714	Cannery, sea food	762	Cellulose nitrate plastic mfg
744	Canvas belting plant	762	Cellulose nitrate plastic re-claiming
743	Canvas goods mfg	685	Cement mill
526	Canvas goods store	685	Cement plant
826	Canvas storage	892	Cement stge
742	Cap or hat mfg	591	Central forces office
591	Capitol building	675	Ceramic clay, extraction from earth
774	Capstan mfg	716	Cereal filler mfg
961	Car, automobile	715	Cereal plant
887	Car house	773	Chain mfg, metal w/o rollers
578	Car washing	774	Chain mfg, metal w/rollers
717	Caramel mfg	986	Chair lift
768	Carbon black plant	754	Chair mfg, any material
895	Carbon black stge	675	Chalk, extraction from earth
768	Carbon mfg	688	Chalk product mfg
799	Carbon paper plant	131	Chapel
768	Carbon plant	661	Charcoal burning, in forest
687	Carborundum wheels mfg	768	Charcoal mfg
784	Carburetor mfg, motor vehicle	768	Charcoal processing
774	Card can mfg, for textile machine	895	Charcoal stge
756	Card mfg, index	784	Chassis mfg, motor vehicle
774	Cardboard box machine mfg	798	Checkerboard mfg
756	Cardboard box or file mfg	712	Cheese factory, natural, processed
756	Cardboard file mfg	742	Chefs clothing mfg
946	Cargo ship	621	Chemical laboratory
562	Carpenter equipment sales	761	Chemical mfg, general
936	Carpenter shed	677	Chemical mining
796	Carpet, cleaning, dyeing	761	Chemical salts mfg
732	Carpet, rug mfg, cotton	861	Chemical storage, basic industrial
734	Carpet, rug mfg, mixed fibers	862	Chemical storage, hazardous
733	Carpet, rug mfg, wool	798	Chess set mfg
826	Carpet storage	717	Chewing gum mfg
536	Carpet store	725	Chewing tobacco mfg
516	Carry-out food store	334	Child welfare clinic
756	Carton mfg	322	Children's home
855	Carton stge	491	Children's playhouse
762	Cartridge filling	567	Chimney cleaning firm
762	Cartridge works	681	Chimney liner mfg
773	Carving fork, knife mfg	681	Chimney pipes, clay mfg
773	Casement window mfg, metal	684	China, decorating repair, mfg
773	Cash box mfg	684	China ornaments mfg
776	Cash register mfg	684	China pottery mfg
752	Cask head mfg	545	China shop
752	Cask mfg	893	China stge
753	Casket mfg	593	Chiropodist office
852	Casket storage and display		
771	Cast iron products mfg		
726	Castor oil, refining		
584	Catalogue store		

593	Chiropractor office	162	Club, night
773	Chisel mfg	143	Club, yacht, boating
717	Chocolate factory	785	Clutch mfg, cycle
758	Christmas card printing	784	Clutch mfg, motor vehicle
131	Church	768	Coal distillation
133	Church hall	671	Coal drying
133	Church meeting hall	671	Coal mining
591	Church office building	671	Coal, prospecting
545	Church supply store	895	Coal stge
722	Cider mfg, hard	768	Coal tar oils mfg
724	Cider mfg, soft	742	Coat mfg
752	Cigar box mfg	738	Coating, cloth
725	Cigar mfg	755	Coating paper mfg
838	Cigar storage	688	Coating, paper w/abrasives
542	Cigar store	768	Coating, paper w/asphalt, tar
746	Cigarette case mfg	799	Coating, paper w/carbon
755	Cigarette paper mfg	792	Coating, paper w/sensitizer
725	Cigarette plant	523	Cobbling
838	Cigarette storage	721	Cocktail mfg
726	Cinnamon oil mfg	717	Cocoa butter mfg
775	Circuit breaker mfg	717	Cocoa processing
773	Cistern mfg	726	Coconut oil, refining
771	Cistern mfg, cast iron	739	Coconut fiber, spinning,
141	City club		weaving
643	City gas mfg	726	Cod liver oil, refining
591	City hall	655	Coffee growing
633	Civil defense communications center	715	Coffee, instant, mfg
948	Clam, digging, harvesting	715	Coffee mill
714	Clam, packing	715	Coffee roasting
675	Clay, extraction from earth	753	Coffin mfg
681	Clay flooring tile mfg	852	Coffin stge & display, wood
893	Clay prods stge	876	Coffin stge & display, metal
681	Clay roofing tile mfg	794	Coin mfg
681	Clay, screening, preparing	746	Coin purse mfg
743	Cleaning cloth mfg	564	Coin-operated dry cleaning
742	Clerical vestment mfg	564	Coin-operated laundry
334	Clinic	739	Coir mat mfg
793	Clock case mfg	768	Coke by-products plant
793	Clock mechanism mfg	768	Coke mfg
793	Clock mfg, all	643	Coke oven, in gas works
793	Clock part mfg	771	Coke oven, in iron, steel plant
741	Clog footwear mfg	895	Coke storage
732	Cloth belting plant	835	Cold storage
738	Cloth coating processes	742	Collar mfg
742	Cloth lining mfg	242	College classroom bldg
825	Cloth storage	461	College dormitory
522	Clothing accessory sales	221	College preparatory school, boarding
524	Clothing alteration shop	215	College preparatory school, day
742	Clothing plant	783	Colliery rail tub mfg
521	Clothing rental	774	Colliery winding gear mfg
796	Clothing repair	765	Color mfg, artists
521	Clothing store	774	Comb mfg, for textile machine
141	Club, city	945	Combat ship
142	Club, country		

982	Combine	772	Copper refining, etc
841	Combustible liquids tank stge	773	Copper stamping, cold pressing
862	Commercial explosives stge	772	Copper wire drawing
758	Commercial lithographing	776	Cord mfg, insulated elec
758	Commercial printing	737	Cordage plant
232	Commercial school	721	Cordial mfg
968	Commercial trailer	662	Cordwood stge
591	Commodity, broker, exchange	753	Cork grinding
933	Communication system, constr, repair	753	Cork plant
934	Communication system, demolition	753	Cork products mfg
774	Composing room equip mfg	811	Corn crib
821	Compress, cotton	726	Corn oil, refining
963	Compressed gas truck	982	Corn picker
774	Compressor mfg	232	Correspondence school
644	Compressor station, gas	756	Corrugated paper fabricating
635	Computer center	755	Corrugated paper mfg
776	Computer mfg, elec	742	Corset mfg
181	Concert hall	766	Cosmetics mfg
686	Concrete batch plant	866	Cosmetics storage
681	Concrete block mfg	561	Cosmetics supply store
774	Concrete mixer mfg	799	Costume jewelry mfg
686	Concrete mixing	545	Costume jewelry sales
688	Concrete pipe mfg	742	Costume mfg
686	Concrete, ready-mix plant	799	Costume novelties mfg
935	Condemned property	521	Costume renting
719	Condiment mfg	732	Cotton bag mfg
761	Confectioners color mfg	821	Cotton compress
513	Confectionery sales	735	Cotton, finishing
931	Construction, bldg, under	731	Cotton gin
981	Construction equipment	732	Cotton mill, cloth or yarn
574	Construction equipment sales	732	Cotton mill, full process
884	Construction mchry, storage	732	Cotton mill, part process
933	Construction, other than bldg	732	Cotton mill, reworking
594	Consulting engineers office	737	Cotton, rope, cord, etc
773	Container mfg, metal	821	Cotton storage, bales
756	Container mfg, paper	731	Cottonseed house
761	Continuous filament yarn mfg	726	Cottonseed oil plant
936	Contractor's shed	811	Cottonseed storage, bulk
774	Contractor's machine mfg	741	Counter shoe mfg
594	Contractor's office, permanent	743	Counterpane mfg
311	Convalescent home, aged w/nursing	142	Country club
312	Convalescent home, aged w/o nursing	811	Country grain elevator
332	Convalescent home, sick persons	513	Country store
465	Convent	311	County home, w/nursing
926	Conveyor	312	County home, w/o nursing
774	Conveyor mfg	591	County office
716	Cookie mfg	342	County workhouse, women
751	Cooperage stock mfg	783	Coupler mfg, automatic railroad
752	Coopering	773	Coupling mfg, metal
773	Copper hollow ware, mfg	155	Court house
673	Copper mine, quarry	743	Cover mfg
		652	Cow raising
		948	Crab, gathering
		714	Crab, packing

773	Crane hook mfg	717	Date, stuffed, mfg
775	Crane mfg, elec	321	Day care center, over 4 hrs
774	Crane mfg, nonelectric	211	Day nursery school, 4 hrs or less
983	Crane, mobile, fixed	321	Day nursery school, over 4 hrs
884	Crane storage, mobile	333	Deaf persons institution
752	Crate mfg, wood	773	Deed box mfg
774	Crawler tractor mfg	718	Deep fat frying
765	Crayon mfg	591	Defense forces office
712	Creamery	776	Dehumidifier mfg, unit type
591	Credit company office	713	Dehydration plant
134	Crematorium	516	Delicatessen
751	Creosote impregnating	932	Demolition, bldg
811	Crib, corn	934	Demolition, other than bldg
655	Crops	791	Dental appliance mfg
681	Crucible, fireclay, graphite mfg	791	Dental instrument mfg
674	Crude oil stge, at well	791	Dental supply mfg
674	Crude oil, well, extracting	593	Dental surgeons office
948	Crustacea, catching, taking	593	Dentists office
842	Cryogenic gas stge	891	Department store storage
776	Crystal mfg, elec	581	Department store, w/furniture
933	Culvert, constr, repair	583	Department store, w/o furniture
934	Culvert, demolition	174	Depot, railroad, street level
114	Curling rink	647	Desalting plant
796	Curtain, cleaning, dyeing	233	Designers school
743	Curtain mfg	344	Detention camp, men
526	Curtain shop	343	Detention home, juvenile
747	Cushion mfg, rubber or synthetic	342	Detention home, women
682	Cut glass mfg	726	Detergent mfg
773	Cut nail mfg	762	Detergent stge
741	Cut sole mfg	869	Detergent stge
773	Cutlery mfg, household	762	Detonator mfg
791	Cutlery mfg, surgical, dental	621	Diagnostic laboratory
545	Cutlery store	794	Diamond cutting
774	Cutting machine mfg	544	Diamond sales
785	Cycle mfg	796	Diaper service plant
552	Cycle shop	965	Diaper service truck
925	Cyclone cellar	532	Dictating equipment sales
761	Cyclopropane gas mfg	538	Dictating equipment repair w/o sales
712	Dairy	776	Dictating machine mfg
776	Dairy appliance mfg, elec	772	Die casting
774	Dairy machinery mfg, nonelec	758	Die stamping, paper
515	Dairy quick-freeze store	774	Diesel engine mfg
515	Dairy store	161	Diner
933	Dam, constr, repair	161	Dining hall
934	Dam, demolition	951	Dining-car, railroad
121	Dance hall	758	Directory, publishing, printing
113	Dance studio	979	Dirigible
775	Dashboard instrument mfg	633	Disaster control center
756	Data processing card mfg	583	Discount store, over 10,000 sq ft
635	Data processing center		
776	Data processing machine mfg		
799	Data stamp mfg		

582	Discount store, under 10,000 sq ft	233	Driving school
684	Dish mfg	773	Drop forged metal pieces mfg
761	Disinfectant mfg, commercial	774	Drop hammer machine mfg
766	Disinfectant mfg, pharmaceutical	773	Drop stamped metal pieces mfg
687	Disks, grinding, abrasive mfg	582	Drug store, no pharmacist
754	Display case mfg	543	Drug store, pharmacist on duty
768	Distillation, coal tar	766	Drugs mfg
768	Distillation, coal	866	Drugs storage
767	Distillation, petroleum tar	773	Drum mfg, metal
721	Distillery	752	Drum mfg, wood
646	District heating, steam	566	Dry cleaning pick-up shop
754	Divan bed mfg	796	Dry cleaning plant
898	Dock	564	Dry cleaning, self-service
593	Doctor's office	781	Dry dock
636	Document center	825	Dry goods storage
798	Doll mfg	526	Dry goods store
682	Domestic glassware mfg	761	Dry ice mfg
684	Domestic pottery, china, mfg	811	Dryer, corn, grain
753	Domestic woodware mfg	776	Dryer mfg, domestic
773	Door frame mfg, metal	865	Drying oil storage
773	Door mfg, metal	333	Dumb persons institution
773	Door mfg, storm, screen, metal	912	Dump
751	Door mfg, wood	742	Dungaree mfg
751	Door or window screen mfg, wood	595	Duplicating firm
466	Dormitory, bunk house	776	Duplicating machine mfg
462	Dormitory, fraternity or sorority	799	Duplicator mfg, not machine
464	Dormitory, military	774	Dust extraction mchry, mfg
463	Dormitory, nurses quarters	411	Dwellings, 1-family, year round use
465	Dormitory, religious	412	Dwellings, 1-family, seasonal, in season
461	Dormitory, school, college	413	Dwellings, 1-family, seasonal, off season
444	Dormitory-type hotel	414	Dwellings, 2-family, year-round use
716	Doughnut mfg	415	Dwellings, 2-family, seasonal, in season
773	Drag mfg, metal	416	Dwellings, 2-family, seasonal, off season
774	Dragline excavator mfg	422	Dwellings, 3-20 families, w/business
931	Drainage project, constr, rep	423	Dwellings, 3-20 families, w/o business
934	Drainage project, demolition	424	Dwellings, over 20 families
743	Drapery mfg	761	Dye intermediates mfg
526	Drapery store	774	Dye machine mfg, textile
541	Drawing supply store	735	Dyeing plant, textile
981	Dredge	981	Earth mover
933	Dredging, other than mining	774	Earth-moving machine mfg
742	Dress mfg	684	Earthenware, decorating, repair
742	Dressing gown mfg	893	Earthenware stge
524	Dressmaking shop	711	Edible fat mfg
776	Drill mfg, elec	719	Egg processing
674	Drilling, for oil	651	Egg production
985	Drilling rig, petroleum, gas		
981	Drilling rig, water		
774	Drink mchry, mfg		
164	Drive-in eating place		
184	Drive-in theater		

732	Elastic mfg, cotton	758	Electrotyping, commercial
734	Elastic mfg, mixed, other fibers	757	Electrotyping, newspaper or magazine
733	Elastic mfg, wool or worsted	213	Elementary school
763	Elastomers mfg, synthetic	933	Elevated highway, constr, repair
776	Electric appliance mfg	934	Elevated highway, demolition
532	Electric appliance repair, w/sales	176	Elevated railway station
538	Electric appliance repair, w/o sales	921	Elevated structure
775	Electric distribution equip	816	Elevator, grain
791	Electric control device mfg	775	Elevator mfg, elec
775	Electric distribution equip mfg	774	Elevator mfg, nonelectric
642	Electric distribution system	799	Emblem mfg
641	Electric generating plant	794	Emerald, cutting
776	Electric lamp mfg	633	Emergency communications center
776	Electric light mfg, all types	687	Emery wheel mfg
775	Electric mchry mfg	784	Engine assembly, motor vehicle
791	Electric measuring instrument mfg	688	Engine gasket mfg, asbestos
775	Electric motor mfg	786	Engine mfg, aircraft
776	Electric plug mfg	774	Engine mfg, industrial
791	Electric recording instrument mfg	781	Engine mfg, marine
776	Electric sign mfg	784	Engine mfg, motor vehicle
776	Electric socket mfg	688	Engine packing mfg, asbestos
776	Electric stove mfg	786	Engine repair, aircraft
642	Electric substation	774	Engine repair, industrial
776	Electric switch mfg	781	Engine repair, marine
775	Electric switchgear mfg	573	Engine repair, motor vehicles
776	Electric tool mfg, portable	774	Engine test cell
775	Electric traction motor mfg	594	Engineering office
775	Electric transmission equip mfg	561	Engineering supply sales
642	Electric transmission system	774	Engineers tool mfg, metal
532	Electrical appliance sales	757	Engraving, photo, newspaper & magazine
875	Electrical appliance storage	758	Engraving, photo, commercial
775	Electrical equipment assembling	794	Engraving, precious metal
776	Electrical mchry repairs	758	Engraving, printing plates
874	Electrical mchry storage	774	Envelope machine mfg
573	Electrical repair shop, motor vehicle	756	Envelope mfg
875	Electrical supply storage	513	Epicure shop
642	Electrical vault	775	Escalator mfg
791	Electro-medical equipment mfg	726	Essential oil mfg
774	Electrode mfg, welding	758	Etching, printing plates
791	Electronic control device mfg	721	Ethyl alcohol, distilling
625	Electronic, electrical laboratory	774	Excavating machine mfg
791	Electronic measuring device mfg	774	Excavator mfg
776	Electronic navigational aid mfg	751	Excelsior mfg
682	Electronic tube, glass envelope mfg	751	Excelsior plant
		853	Excelsior stge
		591	Exchange clearing house
		634	Exchange telephone, telegraph

774	Exhauster mfg	738	Feltbase mfg
122	Exhibition hall	913	Fence
762	Explosives mfg	751	Fencing sawn mfg, wood
558	Explosives sales, retail	754	Fender mfg, fireplace
862	Explosives, storage	771	Ferro-chrome mfg
591	Exporters office	772	Ferro-molybdenum mfg
122	Exposition hall	772	Ferro-silicon mfg
567	Exterminator firm	772	Ferro-tungsten mfg
724	Extract mfg, flavoring	177	Ferry terminal
763	Extrusion compounds mfg, plastic	942	Ferry under 1,000 gt, over 65 ft
774	Extrusion machine mfg	761	Fertilizer mixing, bagging
791	Eye mfg, artificial	554	Fertilizer sales
548	Eyeglass fitting	864	Fertilizer storage
741	Fabric footwear	755	Fiber building paper mfg
732	Fabric mfg, cotton	734	Fiber mfg, staple
734	Fabric mfg, mixed, other fibers	764	Fiber mfg, synthetic
733	Fabric mfg, wool or worsted	853	Fiber products storage
739	Fabric waste recovering	756	Fiberboard packing case mfg
774	Fabricated steel mfg, industrial	753	Fiberboard plant
948	Factory vessel	853	Fiberboard stge
141	Faculty club	853	Fiberglass insulation stge
123	Fairground grandstand	685	Fibro cement mfg
925	Fallout shelter	911	Field
776	Fan mfg, unit type	655	Field crop
655	Farm crop	122	Field house
574	Farm implement sales	976	Fighter aircraft
818	Farm implement storage	756	File mfg, cardboard
811	Farm silo	773	Files mfg, insulated
818	Farm store, storage	754	Filing cabinet mfg, any material
982	Farm tractor	571	Filling station, gasoline public
466	Farm workers barrack	577	Filling station, marine
591	Fashion designers office	572	Filling station, vehicle fuel, private
726	Fat distillation, nonedible	186	Film demonstration studio
711	Fat refining, edible	186	Film exchange
711	Fat rendering, edible	792	Film fabrication, photographic
726	Fat splitting, nonedible	797	Film processing
754	Feather bed mfg	186	Film renovating
754	Feather products mfg	186	Film repairing
592	Federal reserve bank	186	Film screening
715	Feed, animal or poultry	868	Film storage, photographic
811	Feed storage, bulk	116	Filter area, swimming pool
818	Feed store	743	Filter cloth mfg
745	Fellmongery	647	Filtration plant, water
742	Felt hat mfg	761	Fine chemicals mfg
732	Felt making, cotton	877	Finished leather goods storage
734	Felt making, mixed fibers	867	Finished rubber products stge
733	Felt making, wool or worsted	826	Finished textiles storage
745	Felt mfg, hair	852	Finished wood products storage
733	Felt mill, pressed wool	735	Finishing plant, textile
733	Felt, needleloom mfg		
853	Felt stge		

633	Fire alarm headquarters	424	Flat, 21 families and over
776	Fire alarm mfg, incl nonelec	682	Flat glass mfg
633	Fire alarm system, municipal	773	Flat spring mfg
941	Fire boat, under 65 ft loa	724	Flavoring extract mfg
942	Fire boat, under 1,000 gt, over 65 ft	737	Flax, rope, cordage product mfg
633	Fire communications center	824	Flax storage, bales, bags
774	Fire control device mfg	734	Flax, thatching, etc
591	Fire department administra- tive office	883	Fleet parking
784	Fire fighting vehicles, mfg	776	Flexible shaft tool mfg
888	Fire hall	771	Flexible tube mfg, iron or steel
751	Fire retardant impregnating plant	632	Flight control center
888	Fire station	753	Floaot mfg, cork
681	Fireclay sanitary ware mfg	933	Flood control project, constr
773	Fireplace tool mfg	934	Flood control project, demolition
662	Firewood stge	567	Floor cleaning firm
762	Fireworks mfg	536	Floor covering store
558	Fireworks sales, stands	681	Floor tile mfg, clay
862	Fireworks storage	738	Floor tile mfg, linoleum
714	Fish canning	738	Flooring mfg, linoleum
665	Fish farms	747	Flooring mfg, rubber
665	Fish hatchery	751	Flooring mfg, wood
948	Fish, icing, salting, filleting	444	Flop house
726	Fish oil, refining	547	Florist shop
714	Fish packing	715	Flour, blending, preparation
714	Fish, preserving, processing	715	Flour mill
714	Fish, salting, drying, etc	715	Flour, patent, self-raising
513	Fish store	837	Flour storage, bulk
941	Fishing boat, pleasure, private	547	Flower growing
948	Fishing boat, charter	799	Flower plants, artificial
142	Fishing club	547	Flower sales
948	Fishing, commercial	661	Flower, wild, gathering
948	Fishing, factory vessel type	776	Fluorescent fixture mfg
737	Fishing net mfg	682	Fluorescent tube mfg
948	Fishing, ocean, coastal, off shore	677	Fluorspar ore, mining, quarrying
948	Fishing vessel, commercial	689	Fluorspar ore processing
948	Fishing vessel, factory type	747	Foam rubber mfg
773	Fishhook mfg	747	Foam rubber processing
611	Fission material mfg	764	Foamed plastics fabrication
611	Fission products handling	717	Fondant mfg
754	Fitting mfg, furniture	712	Food, infant, with milk base
754	Fixture mfg, furniture	834	Food locker plant
743	Flag mfg	774	Food mchry mfg
645	Flammable liquid pipeline	719	Food processed, animal, mfg
944	Flammable liquid tanker ship	831	Food product storage, packaged, dry
841	Flammable liquid tank stge	832	Food product storage, canned, bottled
762	Flare mfg	833	Food product storage, loose or bagged
776	Flashlight mfg	511	Food store, over 10,000 sq ft
421	Flat, 1-2 families, w/business		
422	Flat, 3-20 families, w/business		
423	Flat, 3-20 families, w/o business		

513	Food store, specialty	762	Fuel mfg, rocket
512	Food store, under 10,000 sq ft	767	Fuel oil mfg
832	Food stuffs, processed, bottled	964	Fuel oil trucks
832	Food stuffs, processed, canned	784	Fuel pump mfg, motor vehicle
833	Food stuffs, processed, loose	134	Funeral chapel
593	Foot care center	134	Funeral parlor
747	Footwear mfg, rubber, vulcanized	742	Fur apparel mfg
661	Forest fire	742	Fur hat mfg
661	Forestry	745	Fur mat mfg
773	Forged metal pieces mfg, drop	742	Fur muff mfg
774	Forging machine mfg	741	Fur product mfg, footwear
773	Fork mfg, carving	742	Fur product mfg, wearing apparel
794	Fork mfg, precious metal	745	Fur product plant
774	Forklift truck mfg	828	Fur product storage
984	Forklift trucks	745	Fur rug mfg
771	Foundry, ferrous	745	Fur, sorting, dressing, etc
772	Foundry, nonferrous	828	Fur storage
799	Fountain pen mfg	525	Fur store
785	Frame mfg, cycle	663	Fur, trapping, hunting
141	Fraternal club, w/o sleeping	654	Fur-bearing animal raising
421	Fraternal club, w/sleeping 1-2 units	774	Furnace mfg
424	Fraternal club, w/sleeping over 20 units	532	Furnace sales
462	Fraternity house	754	Furniture mfg
834	Freeze locker	753	Furniture mfg, rustic
776	Freezer mfg, unit type	791	Furniture mfg, surgical, dental
783	Freight car mfg, railway	754	Furniture plant
952	Freight car, railroad	537	Furniture repair shop
898	Freight pier	531	Furniture sale, used
894	Freight terminal	852	Furniture stge
946	Freighter	852	Furniture storage, public, household
765	French polish mfg	531	Furniture store
834	Frozen food locker	525	Furrier
713	Fruit, candied peel mfg	762	Fuse mfg, explosive
713	Fruit canning	611	Fusion material mfg
717	Fruit, crystallized mfg	611	Fusion products handling
713	Fruit, dehydrating, quick-freezing	741	Gaiter mfg
713	Fruit drying	152	Gallery, art, incl sales
655	Fruit growing	747	Galoshes mfg
713	Fruit juice mfg	141	Gambling place
657	Fruit packing, as picked	711	Game, curing, salting, etc
713	Fruit ripening after picking	711	Game, dressing, processing
513	Fruit store	798	Game mfg
713	Fruit, vegetable packing	663	Game propagation
661	Fruit, wild, gathering	551	Game store, recreational
776	Frying pan mfg, w/heating element	113	Games of chance, for amusement
773	Frying pan mfg, w/o heating element	141	Gaming place
717	Fudge mfg	983	Gantry crane
768	Fuel mfg, packaged	883	Garage, city vehicle parking
		882	Garage, commercial parking
		883	Garage, fleet parking

573	Garage, repair	731	Gin, cotton
881	Garage, residential parking	721	Gin mfg
574	Garage, with motor vehicle sales	683	Glass container mfg
648	Garbage disposal plant	682	Glass, cutting, etc
648	Garbage reduction plant	682	Glass fiber fabricating, mfg
655	Garden	682	Glass fiber mfg
422	Garden apartment, 3-20 families w/business	682	Glass fiber processing
423	Garden apartment, 3-20 families, w/o business	893	Glass products stg
424	Garden apartment, over 20 families	682	Glass product mfg, misc
737	Garden net mfg	893	Glass storage
123	Garden, sports arena	545	Glass store
554	Garden supplies store	792	Glasses, frame mfg
774	Garden tractor mfg	792	Glasses mfg
826	Garment storage	682	Glassware mfg
742	Garter mfg	979	Glider
532	Gas appliance sales	786	Glider mfg, assembly, repair
774	Gas compressor mfg	744	Glove leather tannery
774	Gas cutting mchry mfg	742	Glove mfg, leather
776	Gas discharge lamp mfg	736	Glove mfg, knitted
933	Gas main, constr, repair	747	Glove mfg, rubber
934	Gas main, demolition	765	Glue mfg
643	Gas mfg, fuel	767	Glycerine mfg
761	Gas mfg, industrial	794	Gold, assaying, smelting, etc
644	Gas pipeline	673	Gold mine, quarry
644	Gas pipeline compressor station	966	Golf cart
643	Gas plant, manufactured, fuel	775	Golf cart mfg, elec
644	Gas purification station	142	Golf club
681	Gas retort mfg	933	Golf course, constr, repair
944	Gas transport ship	934	Golf course, demolition
744	Gas welding mchry mfg	552	Golf shop
674	Gas well	513	Gourmet shop
688	Gasket mfg, asbestos	758	Government printing office
774	Gasoline engine mfg	213	Grade school
767	Gasoline mfg	774	Grader machine mfg
767	Gasoline refining, natural	816	Grain elevator
571	Gasoline service station, public	715	Grain mill
572	Gasoline service station, private	811	Grain stack
841	Gasoline storage	811	Grain storage, bulk
964	Gasoline tank truck	776	Gramophone mfg
842	Gasometer	811	Granary
774	Gauge mfg, metal	123	Grandstand
784	Gear box mfg, motor vehicle	675	Granite, quarrying, mining
784	Gear mfg, cycles	688	Granite, working
765	Gelatine mfg	688	Graphite products mfg
678	Gems, natural, mining	773	Grapel mfg
591	General business office	911	Grass
891	General storage warehouse	675	Gravel, extraction from earth
641	Generating plant, electrical	688	Gravel, working
775	Generator mfg	767	Grease mfg
775	Generator mfg, vehicle	845	Grease storage in containers
545	Gift shop	547	Greenhouse
		751	Greenhouse mfg, wood
		758	Greeting card mfg
		687	Grinding abrasives mfg
		687	Grindstone mfg

715	Grist mill	796	Hat repair
832	Grocery storage, crated, boxed	522	Hat store
833	Grocery storage, loose, bagged	651	Hatchery, poultry
511	Grocery store, over 10,000 sq ft	745	Hatters fur mfg
512	Grocery store, under 10,000 sq ft	982	Hay baler
677	Guano, harvesting	811	Hay stack
709	Guano, processing	811	Hay storage, bulk, not in barn
661	Gum, natural, gathering	815	Hay storage, in barn
717	Gum, chewing, mfg	818	Hay store
762	Gun cotton mfg	141	Health club
773	Gun mfg	766	Health salt mfg
552	Gun shop	784	Heater mfg, motor vehicle
762	Gunpowder works	776	Heating apparatus mfg, elec
747	Gutta-percha products	646	Heating, district, steam
121	Gymnasium	774	Heating mchry mfg
798	Gymnastic equipment mfg	646	Heat transfer system
688	Gypsum board mfg	981	Heavy construction equipment
678	Gypsum, mining, quarrying	574	Heavy equipment sales
688	Gypsum products mfg	611	Heavy water plant
892	Gypsum stg	975	Helicopter, nonmilitary
522	Haberdashery store	172	Heliport
776	Hair clipper mfg	172	Helistop
766	Hair dressing mfg	737	Hemp cord, plant
557	Hair dressing shop	735	Hemp, finishing
733	Hair felt mfg, pressed	737	Hemp, rope, cable, etc
745	Hair product plant	734	Hemp, soft, spinning, etc
828	Hair product storage	824	Hemp storage, bales, bags
766	Hair tonic mfg	661	Herb, wild, gathering
799	Hairnet mfg	744	Hide, tanning, dressing, etc
121	Hall, dance	827	Hides storage
161	Hall, dining	215	High school
888	Hall, fire	642	High tension power line
141	Hall, lodge	917	Highway
112	Hall, pool	933	Highway, constr, repair
182	Hall, public	934	Highway, demolition
711	Ham curing	153	Historical building
774	Hammer machine mfg	551	Hobby shop
773	Hammer mfg	114	Hockey rink, fixed use
737	Hammock mfg	123	Hockey rink, in arena
752	Hamper mfg	773	Hoe mfg
773	Hand tool mfg	653	Hog raising
746	Handbag mfg	775	Hoist mfg, elec
742	Handkerchief mfg	774	Hoist mfg, nonelec
785	Handle bar mfg, cycle	681	Hollow tile mfg
753	Handle mfg, hardwood	773	Hollow ware mfg, w/o heating element
886	Hangar	776	Hollow ware mfg, w/heating element
773	Hardware mfg	134	Home, funeral
873	Hardware storage	567	Home maintenance firm
533	Hardware store	533	Home repair supply sales
753	Hardwood turning plant	311	Homes for aged, w/nursing staff
746	Harness mfg	312	Homes for aged, w/o nursing staff
774	Harrow mfg, incl self-propelled		
742	Hat mfg		
796	Hat reblocking		

713	Honey processing	682	Incandescent lamp plant
654	Honey production, apiary	648	Incinerator, industrial
742	Hood mfg, wearing apparel	648	Incinerator, municipal
784	Hood mfg, motor vehicle	914	Incinerator, private
773	Hook mfg	756	Index card mfg
713	Hop kiln, curing	798	Indoor game mfg
775	Horn mfg, elec	591	Industrial administrative office
739	Horsehair, spinning, weaving	862	Industrial chemical stge, hazardous
773	Horseshoe mfg	861	Industrial chemical stge, non-hazardous
764	Hose mfg, plastic	633	Industrial communications center
747	Hose mfg, rubber	761	Industrial gas mfg
736	Hosiery mfg, knitted	862	Industrial hazardous chemical stge
522	Hosiery store	591	Industrial loan institution
331	Hospital	774	Industrial tractor mfg
331	Hospital, prison	968	Industrial trailer
561	Hospital supply sales	231	Industrial training school
773	Hot pressed metal pieces mfg	984	Industrial truck
444	Hotel, dormitory type	774	Industrial valve mfg
754	Hotel furniture mfg	742	Infant wear mfg
442	Hotel, seasonal, in season	334	Infirmmary, clinic type
443	Hotel, seasonal, off season	331	Infirmmary, 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 families w/business	443	Inn, seasonal, off season
422	Housekeeping apart, 3-20 families w/business	163	Inn, w/o sleeping accommodations
423	Housekeeping apart, 3-20 families w/o business	441	Inn, w/sleeping accommodations, yr rd
978	Hovercraft, nonmilitary	741	Inner sole mfg
776	Humidifier mfg, unit type	747	Inner tube mfg
663	Hunting	761	Inorganic chemical mfg
142	Hunting club	761	Insecticides mfg
685	Hydraulic cement mfg	333	Institution for deaf, dumb and blind
774	Hydraulic mchry mfg	335	Institution, mental
622	Hydraulics laboratory	791	Instrument mfg, electric, electronic
761	Hydrogen gas mfg	791	Instrument mfg, measuring, control
761	Hydrogen sulfide gas mfg	795	Instrument mfg, musical
712	Ice cream plant	561	Instrument sales, professional
515	Ice cream shop	776	Insulated wire, cable mfg
515	Ice cream stand, quick-freeze	688	Insulation mfg, asbestos, stone
897	Ice dispenser, coin operated	682	Insulation mfg, glass fiber
719	Ice harvesting	753	Insulation mfg, wood, cork, sawdust
897	Ice house		
719	Ice plant, mfg and natural		
114	Ice skating rink		
897	Ice storage		
799	Identification tag mfg		
937	Idle property		
767	Illuminating oil mfg		
591	Importers office		

684	Insulators, pottery, clay, porcelain mfg	776	Kettle mfg, w/heating element
214	Intermediate school	773	Kettle mfg, w/o heating element
774	Internal combustion engine mfg	746	Key case mfg
591	Investment firm office	162	Key club
796	Invisible mending, clothes	773	Key mfg
771	Iron, basic products mfg	533	Key-lock shop
771	Iron conversion	681	Kiln lining mfg
771	Iron foundry	774	Kiln mfg
771	Iron mfg, billets, blooms, etc	742	Kilt mfg
771	Iron mfg, cast iron prod	212	Kindergarten
776	Iron mfg, domestic, elec	532	Kitchen cabinet store
672	Iron ore mining, quarrying	979	Kite
677	Iron pyrites, mining, quarrying	773	Knife mfg
761	Iron pyrites processing	736	Knit wear mfg
771	Iron, smelting, refining, etc	736	Knitted fabric mfg
773	Iron, stamping, cold pressing, etc	736	Knitting, full process mill
871	Iron storage, basic forms	774	Knitting machine mfg, textile
672	Ironstone mining, quarrying	736	Knitting, part process mill
773	Ironwork mfg	764	Kodel fiber mfg
933	Irrigation projects, constr, repair	626	Laboratory, agricultural
934	Irrigation project, demolition	621	Laboratory, biological
774	Jack mfg	621	Laboratory, chemical
742	Jacket mfg	625	Laboratory, electric, electronic
342	Jail, women	622	Laboratory, hydraulics
713	Jam mfg	791	Laboratory instrument mfg
765	Japan drier mfg	621	Laboratory, medical
684	Jar, earthenware mfg	622	Laboratory, metallurgical
682	Jar, glass mfg	623	Laboratory, personnel testing
713	Jelly mfg	622	Laboratory, physics
794	Jewelry fabricating	623	Laboratory, psychological testing
794	Jewelry mfg	624	Laboratory, radioactive material
544	Jewelry shop	627	Laboratory, research, general
798	Jigsaw puzzle mfg	732	Lace, cotton, drawing, ending, etc
758	Job printing	732	Lace mfg, cotton
753	Joiners, off building site	734	Lace mfg, mixed, other fibers
751	Joiners, on building site	733	Lace mfg, wool or worsted
241	Junior college classroom bldg	765	Lacquer mfg
214	Junior high school	753	Ladder mfg, wood
877	Junk yard	745	Lambskin, shearing
743	Jute bag mfg	773	Laminated spring mfg
737	Jute cord plant	776	Lamp assembling, elec
737	Jute, rope, cord, etc	682	Lamp bulb mfg
734	Jute, spinning, sorting, weaving	776	Lamp holder mfg
824	Jute storage, bales, bags	776	Lamp mfg, metal, elec
343	Juvenile detention home	773	Lamp mfg, metal, nonelec
752	Keg mfg, wooden	743	Lamp shade mfg, cloth
773	Keg mfg, metal	756	Lamp shade mfg, paper
556	Kennel	933	Land drainage project
767	Kerosene mfg		

933	Land reclamation project	717	Licorice mfg
711	Lard mfg	753	Life belt mfg, cork
711	Lard oil, refining, etc	984	Lift truck
711	Lard refining	775	Lift truck mfg, elec
773	Latch mfg	774	Lift truck mfg, nonelec
564	Laundromat	781	Lighter, building, repairing, etc
796	Laundry, commercial	979	Lighter than air machine
743	Laundry bag mfg	949	Lighthouse
566	Laundry pick-up shop	773	Lighting fixture mfg
564	Laundry, self-service	791	Limb mfg, artificial
675	Lava, mining, quarrying	688	Lime plant
911	Lawn	688	Lime product mfg
982	Lawn mower	892	Lime stge
774	Lawn mower mfg	675	Limestone quarrying, mining
554	Lawn mower rental	688	Limestone, working, cutting, etc
591	Lawyers office	173	Limousine terminal
773	Lead hollow ware	735	Linen, finishing
673	Lead mine, quarry	734	Linen mill
799	Lead pencil mfg	796	Linen service plant
772	Lead refining, smelting, etc	965	Linen service truck
773	Lead, stamping, cold pressing, etc	734	Linen, spinning, carding, etc
776	Lead wire drawing	824	Linen storage, bales, bags
682	Leaded glass mfg	545	Linen store
774	Leaf sweeper mfg	565	Linen supply house
742	Leather clothing mfg	742	Lingerie mfg
546	Leather goods sales	738	Linoleum flooring mfg
741	Leather heel mfg	738	Linoleum mfg
741	Leather legging mfg	536	Linoleum store
744	Leather machinery belt mfg	726	Linseed oil plant
738	Leather mfg, artificial	763	Liquid resin mfg, synthetic
741	Leather product mfg, footwear	721	Liquor, blending
742	Leather product mfg, wearing apparel	723	Liquor, malt mfg
827	Leather product storage	846	Liquor storage
746	Leather products mfg, general	514	Liquor store
741	Leather sole mfg	677	Lithium minerals, mining
827	Leather storage	779	Lithium minerals processing
744	Leather, tanning, dressing, etc	757	Lithographing
738	Leatherette mfg	742	Livery mfg
911	Leaves	815	Livestock storage, in barn
791	Leg mfg, artificial	817	Livestock storage, not in barn
742	Legal robe mfg	591	Loan company office
741	Legging mfg	948	Lobster, fishing vessel
156	Legislative hall	714	Lobster, packing, canning, etc
181	Legitimate theater	773	Lock mfg, mechanical
792	Lens, grinding, polishing	793	Lock mfg, time
715	Lentil, grinding, splitting	754	Locker mfg, any material
915	Letter drop	834	Locker plant
758	Letter press	953	Locomotive
754	Lettering mfg, sign	783	Locomotive mfg
151	Library	887	Locomotive storage
758	Library binder mfg	412	Lodge, 1 family, in season

415	Lodge, 2 family, in season	772	Magnesium, wire drawing
413	Lodge, 1 family, off season	584	Mail order store
416	Lodge, 2 family, off season	891	Mail order warehouse
141	Lodge, hall	965	Mail truck
442	Lodge, seasonal, in season	915	Mailbox
443	Lodge, seasonal, off season	595	Mailing firm
431	Lodging house, 4-8 roomers, year-round	595	Mailing list sales firm
432	Lodging house, 9-15 roomers, year-round	708	Maintenance shop, general
441	Lodging house, over 15 roomers, year-round	766	Malt extracts mfg
662	Log storage	723	Malt house
662	Logging	771	Manhole cover mfg, cast iron
662	Log, transportation, moving	773	Manicure set mfg
758	Looseleaf binder mfg	643	Manufactured gas, fuel
911	Lot, vacant	709	Manure mfg, compounding
571	LP-gas bottle filling station, public	758	Map mounting
843	LP-gas bulk plant	758	Map, publishing, printing
963	LP-gas transport truck	661	Maple sugaring, in forest
767	Lubricating oil mfg	717	Maple sugaring, outside forest
746	Luggage mfg	675	Marble quarrying, mining
546	Luggage store	688	Marble, working
751	Lumber mfg	726	Margarine mfg
555	Lumber sales, retail	835	Margarine stge
851	Lumber storage		Marina, (see property complex)
851	Lumberyard	576	Marine accessory sales
164	Lunch counter	781	Marine boiler mfg
164	Lunchroom	726	Marine oil, refining
713	Macaroni canning	177	Marine passenger terminal
716	Macaroni plant	933	Marine pile driving
773	Machine gun mfg	577	Marine refueling facility
774	Machine shop	781	Marine repair, over 65 ft loa
774	Machine tool mfg, metal	782	Marine repair, under 65 ft loa
744	Machinery belt mfg, leather	576	Marine salesrooms
732	Machinery belting mfg, cotton	577	Marine service station
733	Machinery belting mfg, wool	655	Market garden
775	Machinery mfg, elec	511	Market, over 10,000 sq ft
774	Machinery mfg, excl elec	512	Market, under 10,000 sq ft
774	Machinery parts mfg	713	Marmalade mfg
776	Machinery repair, elec	717	Marshmallow mfg
574	Machinery sales, motor driven	685	Masonry cement mfg
874	Machinery storage, not vehicle	561	Masons supply sales
884	Machinery storage, vehicle	781	Mast mfg, over 65 ft loa
562	Machinist supply sales	782	Mast mfg, under 65 ft loa
774	Machinist tool mfg	753	Mat mfg, cork
757	Magazine publishing	732	Mat mfg, cotton
798	Magic apparatus mfg	734	Mat mfg, mixed, other fibers
773	Magnesium, hollow ware	758	Mat mfg, printing
772	Magnesium refining, smelting, etc	747	Mat mfg, rubber or synthetic
773	Magnesium, stamping, etc	733	Mat mfg, wool or worsted
		762	Match plant
		775	Materials handling equip mfg, electrical
		774	Materials handling equip mfg, nonelectrical

984	Materials handling equip	862	Military explosives storage
334	Maternity clinic	221	Military school classroom bldg
331	Maternity hospital	896	Military stg, not elsewhere classified
754	Mattress mfg except rubber	977	Military training aircraft
747	Mattress mfg, rubber	977	Military utility aircraft
853	Mattress storage	712	Milk, bottling
715	Meal milling, preparation	712	Milk, condensed, evaporated, mfg
776	Measuring apparatus mfg, elec	652	Milk cooling shed
711	Meat, curing, dressing, etc	712	Milk, edible products, dried
513	Meat shop	652	Milk house
774	Mechanical equip mfg, non- electrical	774	Milk machine mfg
775	Mechanical equip mfg, elec	713	Milk, powdered, mfg
794	Medal mfg	712	Milk processing
791	Medical equipment mfg	652	Milk production
682	Medical glassware mfg	832	Milk storage
621	Medical laboratory	526	Mill outlet store
791	Medical machine mfg	742	Millinery mfg
593	Medical office	522	Millinery store
561	Medical supply sales	713	Mince meat mfg
766	Medicated wine mfg	783	Mine rail car mfg
767	Medicinal paraffin mfg	767	Mineral oil, refining
766	Medicine mfg	761	Mineral pigments, mfg
133	Meeting hall, church	677	Mineral pigments, mining
154	Memorial structure	892	Mineral prod stge bagged
344	Men's detention camp	893	Mineral product storage, packaged, non-bagged
335	Mental institution	724	Mineral water, carbonating
891	Mercantile stock stge, nonfood	688	Mineral wool mfg
773	Metal, base, cold pressing	688	Minerals, grinding, etc
773	Metal box mfg	678	Minerals, nonmetallic, mining
771	Metal casting, iron, steel	677	Mining, chemicals
772	Metal casting, other metal	671	Mining, coal
773	Metal fabricating	677	Mining, fertilizer mineral
773	Metal furniture mfg	672	Mining, iron ore
893	Metal ore storage	774	Mining mchry mfg
872	Metal parts storage	751	Mining timber mfg
773	Metal product, polishing, plating, etc	794	Mint, money
876	Metal products stge, finished	753	Mirror frame mfg
771	Metal refining, iron, steel	682	Mirror mfg
772	Metal refining, other metal	988	Missile, air or space borne
773	Metal stamping mfg	844	Missile fuel stge
871	Metal storage, basic forms	631	Missile launch site
774	Metallurgical furnace mfg	786	Missile mfg, assembly, repair, no fuel
622	Metallurgical laboratory	742	Mitten mfg
678	Mica, quarrying, mining	734	Mixed fiber, full process mill
792	Microscope mfg	776	Mixer mfg, domestic
548	Microscope sales	632	Mobile communication truck
632	Microwave site	983	Mobile crane
466	Migrant workers barracks	784	Mobile home mfg, assembly
464	Military barracks		
977	Military cargo aircraft		

471	Mobile home, permanent family unit	573	Muffler repair shop, motor vehicle
574	Mobile home sales	733	Mungo shoddy mfg
751	Mobile planing mill	591	Municipal building
965	Mobile post office	643	Municipal gas mfg
751	Mobile saw mill	762	Munitions mfg
717	Molasses mfg	152	Museum
948	Mollusk, catching, taking	758	Music, publishing, printing
465	Monastery	233	Music school
794	Money mfg	534	Music store
792	Monocle mfg	795	Musical instrument mfg
986	Monorail	534	Musical instrument sales
154	Monument	719	Mustard mfg
688	Monument works	773	Nail mfg, cut
799	Mop mfg	773	Nail mfg, wire
134	Morgue	767	Naphtha oil refining
773	Mortar mfg, arms	743	Napkin mfg
591	Mortgage company	732	Narrow fabric mfg, cotton
134	Mortuary	734	Narrow fabric mfg, mixed fibers
131	Mosque	733	Narrow fabric mfg, wool
441	Motel, interior entrance to rooms, yr rd	678	Natural abrasive, mining
451	Motel, under 4 stories, 1-2	685	Natural cement mfg
452	Motel, under 4 stories, 3-20 units	674	Natural gas well
453	Motel, under 4 stories, over 20 units	767	Natural gasoline plant
868	Motion picture exchange	765	Natural resin, grinding
797	Motion picture film processing	591	Navy office
868	Motion picture film storage	726	Neatsfoot oil, refining
186	Motion picture studio	742	Necktie mfg
183	Motion picture theater	774	Needle bearing mfg
966	Motor bike	794	Needle mfg, record
474	Motor home, self-powered	773	Needle mfg, sewing
784	Motor mfg, cycles	739	Needleloom carpet mfg
775	Motor mfg, elec	739	Needleloom felt mfg
774	Motor mfg, nonelectric	776	Neon lamp mfg
784	Motor vehicle mfg, assembly	682	Neon light mfg, fabricating
573	Motor vehicle repairs	776	Neon sign mfg
574	Motor vehicle sales	737	Net mfg, excl hair
575	Motor vehicle supply store	799	Net mfg, hair
949	Motorboat, outboard	591	News gathering agency office
576	Motorboat sales	591	News reporting agency office
941	Motorboat, under 65 ft loa	757	Newspaper publishing
942	Motorboat, under 1,000 gt, over 65 ft	755	Newsprint mfg
966	Motorcycle	542	Newsstand
784	Motorcycle mfg	742	Night clothes mfg
784	Motorcycle parts mfg	162	Night club
763	Moulded compound mfg, plastic	742	Night dress mfg
764	Moulded plastic products	631	Nike site
756	Moulded pulp goods mfg	689	Nitrate minerals processing
186	Movie studio	677	Nitrate minerals, quarrying
183	Movie theater	762	Nitrocellulose mfg, reclaiming
		761	Nitrous oxide gas mfg
		772	Nonferrous metals, refining, etc
		716	Noodle mfg

753 Novelty mfg, hardwood	512 Old persons home, w/o nursing
551 Novelty store	726 Oleo oil, refining
611 Nuclear fuel element plant	726 Oleo-stearine mfg
614 Nuclear ordnance bomb	726 Olive oil, refining, hydrogenation
774 Nuclear reactor mchry mfg	181 Opera house
613 Nuclear reactor power	791 Operating table mfg
624 Nuclear reactor, research	792 Ophthalmic goods mfg
465 Nunnery	792 Ophthalmoscope mfg
465 Nuns living quarters	792 Optical glass, grinding, polishing
321 Nursery school, over 4 hours	682 Optical glass mfg
211 Nursery school, 4 hours or less	548 Optical goods sales
655 Nursery, tree, bush	792 Optical instrument mfg
463 Nurses living quarters	792 Optical plant
311 Nursing home, w/nursing	548 Opticians office
312 Nursing home, w/o nursing	548 Optometrists office
726 Nut cake mfg	164 Orange bar
655 Nut growing	655 Orange growing
726 Nut meat mfg	713 Orange juice, concentrated mfg
773 Nut mfg, metal	655 Orchard
657 Nut packing, as picked	773 Ordnance mfg, exc vehicles
717 Nut, salted mfg	673 Ore concentration
513 Nut shop	672 Ore mining
811 Nut storage, bulk	771 Ore preparation plant, iron
717 Nut, sugar covered mfg	772 Ore smelting, nonferrous
763 Nylon fiber, mfg	795 Organ mfg
739 Oakum, picking, willowing	534 Organ sales
782 Oar mfg	761 Organic chemical mfg, all
715 Oat, milling, flaking, etc	764 Orlon fiber mfg
948 Ocean products, gathering	794 Ornament mfg
593 Oculists office	545 Ornamental goods store
592 Office, bank	773 Ornamental ironwork mfg
591 Office, business	322 Orphanage
754 Office fixture, fittings mfg	752 Osier container mfg
754 Office furniture mfg	593 Osteopaths office
531 Office furniture store	782 Outboard motor mfg, repair
531 Office machine sales	576 Outboard motor sales
775 Office mchry mfg, elec, manual	927 Outhouse
593 Office, medical	774 Oven mfg, industrial
531 Office supply sales	742 Overalls mfg
767 Oil mfg, lubricating	742 Overcoat mfg
726 Oil of clove mfg	761 Oxygen gas mfg
645 Oil pipeline	861 Oxygen stge, liquid or gas
674 Oil reservoir	665 Oyster bed operation
726 Oil, salad, mfg	714 Oyster, packing, canning
674 Oil shale mining, retorting	655 Oyster, wild, cultivated
916 Oil slick	514 Package store
845 Oil storage in containers	768 Packaged fuel mfg
841 Oil storage in tanks	893 Packaged mineral prods stge
953 Oil tank car heating plant	845 Packaged petroleum prods stge
674 Oil well	838 Packaged tobacco prod stge
738 Oilcloth mfg	774 Packaging machine mfg
742 Oilskin mfg	
766 Ointment mfg	
311 Old persons home, w/nursing	

752	Packing case mfg, wood	933	Parking lot, constr, repair
657	Packing crops as picked	934	Parking lot, demolition
756	Pad mfg, writing	134	Parlor, funeral
739	Padding mfg, all fibers	625	Particle accelerator
765	Paint mfg	943	Passenger ship
573	Paint shop	171	Passenger terminal, airport
865	Paint storage	173	Passenger terminal, bus
535	Paint store	174	Passenger terminal, street level
799	Painters brush mfg	177	Passenger terminal, marine
773	Painters pot mfg, metal	176	Passenger terminal, elevated
535	Painters supply store	175	Passenger terminal, subway
742	Pajamas mfg	765	Paste mfg
726	Palm oil, refining	799	Pastel mfg
774	Paper bag machine mfg	717	Pastilles mfg
756	Paper bag mfg, incl printing	716	Pastry mfg
855	Paper bag stge	744	Patent leather plant
756	Paper box mfg, incl printing	621	Pathological laboratory
758	Paper, bronzing, gilding, edging	976	Patrol aircraft
756	Paper carton mfg, incl printing	545	Pawn shop
755	Paper, coating, glazing, laminating	715	Pea, grinding, splitting
756	Paper container mfg, incl printing	713	Peanut butter processing
755	Paper corrugating, laminating	726	Peanut oil, refining
756	Paper cutout, pattern mfg	713	Peanut processing
541	Paper goods sales	811	Peanut storage, bulk
756	Paper label manufacturing	948	Pearl, gathering
756	Paper lamp-shade mfg	794	Pearl jewelry mfg
774	Paper making mchry mfg	794	Pearl products mfg
687	Paper mfg, abrasive	678	Peat, cutting digging
768	Paper mfg, asphalt coated	818	Peat storage
799	Paper mfg, carbon	761	Peatmoss processing
799	Paper mfg, duplicating	785	Pedal mfg
792	Paper mfg, sensitized	967	Pedicab
755	Paper mill	745	Pelt, sorting, dressing, etc
756	Paper mounts mfg	799	Pen mfg
756	Paper plate mfg	773	Pen nib mfg, base metal
855	Paper products stg	794	Pen nib mfg, precious metal
756	Paper products fabricating	541	Pen shop
755	Paper reclaiming	341	Penal institution, men
758	Paper ruling	799	Pencil lead mfg
756	Paper spoon or utensil mfg	799	Pencil mfg
855	Paper stg, not rolled	799	Penholder mfg
855	Paper storage, baled	341	Penitentiary cell, men
854	Paper stg, rolled	341	Penitentiary, men
755	Paperboard, coating	342	Penitentiary, women
755	Paperboard mfg	113	Penny arcade
756	Papier-mache goods mfg	311	Pensioners home, w/nursing
767	Paraffin wax mfg	312	Pensioners home, w/o nursing
742	Parasol mfg	787	Perambulator mfg
933	Parking area, constr, repair	762	Percussion cap mfg
934	Parking area, demolition	795	Percussion instruments mfg
882	Parking garage, general	766	Perfume mfg
881	Parking garage, residential	726	Perfume oil mfg
882	Parking lot	545	Perfume sale
		757	Periodical publishing
		792	Periscope mfg

722	Perry wine mfg	898	Pier, petroleum
623	Personnel testing laboratory	771	Pig iron mfg
769	Pest control chemical mfg	653	Pig raising
556	Pet care center	761	Pigment mfg
556	Pet shop, supplies	774	Pile driver mfg
947	Petroleum balloon	933	Pile driving
841	Petroleum bulk plant	766	Pill mfg
841	Petroleum distributing station	771	Pillar box mfg, cast iron
767	Petroleum jelly mfg	754	Pillow mfg, nonrubber
845	Petroleum, packaged product	747	Pillow mfg, rubber
845	Petroleum prods packaged	754	Pillow renovating plant
767	Petroleum refinery	743	Pillowslip mfg
841	Petroleum tank farm	771	Pipe mfg, cast iron, steel, iron
841	Petroleum terminal	681	Pipe mfg, concrete
674	Petroleum well	764	Pipe mfg, plastic
898	Petroleum wharf	799	Pipe mfg, smoking
773	Pewter, hollow ware mfg	872	Pipe storage, metal
772	Pewter, refining, smelting, etc	933	Pipeline, constr, repair
773	Pewter, stamping, etc	934	Pipeline, demolition
766	Pharmaceutical mfg	645	Pipeline, flammable liquid
866	Pharmaceutical storage	644	Pipeline, gas
582	Pharmacy, no pharmacist	646	Pipeline, steam
543	Pharmacy, pharmacist on duty	647	Pipeline, water
776	Phonograph assembling, elec	773	Pistol mfg
795	Phonograph record blank mfg	751	Planing mill
785	Phonographic recording studio	688	Plaster mfg
677	Phosphate minerals, mining, quarrying	688	Plaster product mfg
689	Phosphate minerals processing	892	Plaster storage
595	Photocopy firm	763	Plastic beads mfg
757	Photoengraving, newspaper and magazine	782	Plastic boat fabrication
758	Photoengraving, commercial	764	Plastic casting
797	Photofinishing	763	Plastic dispersions mfg
792	Photographic equipment mfg	763	Plastic emulsions mfg
792	Photographic film fabrication	764	Plastic enclosure mfg
792	Photographic lens mfg	764	Plastic film mfg
553	Photographic store	763	Plastic, foamed, making
553	Photographic studio	764	Plastic foamed products fabr
792	Photographic supplies mfg	741	Plastic footwear mfg
593	Physicians office	799	Plastic lamp shade mfg
622	Physics laboratory	763	Plastic mfg
593	Physiotherapists office	742	Plastic outerware mfg
795	Piano mfg	764	Plastic part, product mfg
534	Piano store	763	Plastic powder mfg
566	Pick-up shop, laundry, dry cleaning	863	Plastic product storage
713	Pickles processing	764	Plastic products fabr
753	Picture frame mfg	764	Plastic rods mfg
711	Pie mfg, meat	764	Plastic sheet fabr
716	Pie mfg, nonmeat	763	Plastic solution mfg
526	Piece goods sales	764	Plastic toy mfg
898	Pier	863	Plastics, storage
933	Pier, constr, repair	684	Plate mfg, china
934	Pier, demolition	753	Plate mfg, hardwood
		756	Plate mfg, paper
		792	Plate mfg, sensitized

682	Plate, window glass plant	513	Poultry store
744	Platework mfg, industrial	556	Pound, animal
794	Platinum, assaying, smelting	726	Powdered soap plant
795	Player piano mfg	641	Power house, electrical
491	Playhouse, childrens	646	Power house, steam
181	Playhouse, theater	642	Power line, overhead
758	Playing card mfg	642	Power line, underground
774	Plow mfg, incl self-propelled	143	Power squadron club
776	Plug mfg, elec	794	Precious metal, assaying, smelting, etc
773	Plumbers supply mfg	794	Precious stone, cutting, etc
873	Plumbers supply storage	774	Precision chain mfg
562	Plumbers tool sales	774	Prefabricated bldgs mfg, metal
773	Plumbing supply mfg	751	Prefabricated structure mfg, wood
533	Plumbing supply store, retail	221	Preparatory school, classroom bldg, boarding
873	Plumbing supply, wholesale	713	Preserve mfg
799	Plume mfg	774	Press machine mfg, hydr, mech
751	Plywood mfg	774	Press mfg, printing
774	Pneumatic control equip mfg	773	Pressed metal pieces mfg, hot
774	Pneumatic mchry mfg	756	Pressed pulp goods mfg
746	Pocketbook mfg	751	Pressure impregnation plant
773	Pocketknife mfg	213	Primary school
662	Pole, hewing, rough cutting	774	Prime mover mfg, nonelec
913	Pole, nonutility	758	Printing, commercial
642	Pole, power	765	Printing ink mfg
642	Pole, utility	774	Printing machine mfg
633	Police communications center	774	Printing machine mfg, textile
345	Police station	757	Printing, newspaper, magazine, etc
765	Polish mfg	735	Printing plant, textile
743	Polishing cloth mfg	747	Printing roller mfg
764	Polyester fiber mfg	865	Printing supply storage, misc
786	Pontoon mfg, assembly, repair	855	Printing supply storage, flat paper
112	Poolroom, hall, center	854	Printing supply storage, rolled paper
684	Porcelain product mfg	341	Prison cell or cell block, men
123	Portable grandstands	342	Prison cell or cell block, women
927	Portable toilet	331	Prison hospital
723	Porter mfg, malt	341	Prison, men
685	Portland cement mfg	344	Prison, minimum security type
913	Post	221	Private boarding school classroom bldg
596	Post office	881	Private garage
758	Postage stamp printing	411	Privy
773	Pot mfg, metal	513	Produce sale, retail
677	Potash, mining, quarrying	812	Produce storage, crated, boxed
718	Potato chip plant	813	Produce storage, loose, bagged
718	Potato crisp mfg	791	Professional instrument mfg
718	Potato, flaked, mfg	593	Professional office, medical
684	Pottery plant	561	Professional supply sales
545	Pottery shop		
893	Pottery stge		
711	Poultry, curing, dressing, etc		
651	Poultry farm		
715	Poultry feed, stock dry		
719	Poultry food, grit preparing		
651	Poultry house		
751	Poultry house mfg, wood		
651	Poultry raising		

968	Professional trailer	776	Radio assembling, elec
792	Projector mfg	632	Radio beacon
786	Propeller mfg, aircraft	754	Radio cabinet mfg, wood
781	Propeller shaft mfg, over 65 ft loa	632	Radio communications site
782	Propeller shaft mfg, under 65 ft loa	776	Radio mfg
773	Pruning knife mfg	538	Radio repairs, w/o sales
593	Psychologist office	532	Radio sales
163	Pub	185	Radio studio
754	Public building furniture mfg	632	Radio, transmitting site
882	Public garage, parking	776	Radio tube mfg
182	Public hall	776	Radio, TV tubes, glass envelope mfg
852	Public household furniture stge	611	Radioactive material, disposal
884	Public works vehicle stg	611	Radioactive material mfg
758	Publishing, book	611	Radioactive material, storage
757	Publishing, newspaper, periodical, etc	624	Radioactive material lab
771	Puddling furnace	612	Radioactive tracers processing
774	Pulp making mchry, mfg	739	Rag reclaiming
755	Pulp mill	739	Rag reworking mill
853	Pulp stg	739	Rag shop
662	Pulpwood piles	829	Rag storage
662	Pulpwood storage	174	Rail passenger terminal, street level
774	Pump mfg	933	Railroad, constr, repair
664	Pumping station, gas	934	Railroad, demolition
645	Pumping station, oil	894	Railroad freight terminal
647	Pumping station, sewage	953	Railroad locomotive
647	Pumping station, water	955	Railroad maintenance equip
787	Push chair mfg	783	Railroad repair shop
799	Puzzle mfg	783	Railroad rolling stock, assembling
677	Pyrites, mining, quarrying	951	Railroad rolling stock, passenger
761	Pyrites processing	952	Railroad rolling stock, freight
772	Pyrophoric metal working	783	Railroad shop
762	Pyroxylin fabricating	956	Railroad signal equip
762	Pyroxylin mfg	783	Railroad signal mfg
762	Pyroxylin reclaiming	952	Railroad tank car
677	Quarry, chemicals, minerals	955	Railroad wreck clearing equip
774	Quarry crushing machine mfg	957	Railroad yard
676	Quarry, salt	951	Railway car, passenger
675	Quarry, sand, gravel, stone	783	Railway coach mfg
774	Quarrying machine mfg	641	Railway, electric power plant
678	Quartz, mining, quarrying	887	Railway equip storage
743	Quilt mfg	952	Railway express car
654	Rabbit raising	933	Railway roadbed, constr, repair
123	Race track grandstand	934	Railway roadbed, demolition
815	Race track stable	176	Railway station, elevated
776	Radar mfg	954	Railway street car
632	Radar site	954	Railway, subway
791	Radiation measurement device mfg	954	Railway subway car
771	Radiator mfg, cast iron sections	771	Railway switch mfg
776	Radiator mfg, domestic, elec	771	Railway truck mfg
784	Radiator mfg, motor vehicle	742	Raincoat mfg

713	Raisin processing	933	Remodeling, major, other than bldg
773	Rake mfg		
739	Ramie, spinning, weaving	711	Rendering fat, edible
752	Rattan product mfg	931	Renovation, major, bldg vacated
827	Raw leather storage	933	Renovation, major, other than bldg
867	Raw rubber products storage		
717	Raw sugar refining	573	Repair garage
764	Rayon fiber mfg	574	Repair garage with motor vehicle sales
773	Razor blade mfg		
776	Razor mfg, elec	573	Repair shop, auto
773	Razor mfg, nonelec	632	Repeater site, radio, microwave
742	Ready-made clothing mfg		
686	Ready-mix concrete plant	627	Research laboratory
774	Reaper mfg, incl self-propelled	593	Research organization office
747	Rebuilding tires	881	Residential parking garage
747	Recapping tires	221	Residential school building
977	Reconnaissance aircraft	763	Resin mfg, synthetic
776	Record mfg, sound, music	661	Resin, natural, gathering
532	Record player sales	311	Rest home, w/nursing staff
636	Record repository, documents	312	Rest home, w/o nursing staff
534	Record shop	161	Restaurant
113	Recreation center, facility, place	754	Restaurant furniture mfg
233	Recreational school	568	Restaurant supplies and services
591	Recruiting office		
774	Reed mfg, for textile machine	747	Retreading tires
752	Reed product mfg	773	Revolver mfg
726	Refinery, animal oil	732	Ribbon mfg, cotton
767	Refinery, petroleum	734	Ribbon mfg, mixed, other fiber
767	Refinery, petroleum	733	Ribbon mfg, wool or worsted
769	Refinery, turpentine	655	Rice growing
726	Refinery, vegetable oil	715	Rice mill
343	Reform school	811	Rice storage, bulk
341	Reformatory, men	142	Riding club
342	Reformatory, women	815	Riding stable
675	Refractory clay, extraction from earth	142	Rifle club
		773	Rifle mfg
681	Refractory tile, brick mfg	781	Rigging mfg, marine, over 65 ft loa
774	Refrigeration mchry mfg	782	Rigging mfg, marine, under 65 ft loa
776	Refrigerator mfg, unit type	773	Rivet mfg, metal
532	Refrigerator sales	774	Road maintenance machine mfg
912	Refuse disposal area		
784	Registration plate mfg, motor veh	774	Road making machine mfg
591	Regulatory office	884	Road mchry storage
234	Rehabilitation center, free attendance	774	Road roller machine mfg
336	Rehabilitation center, forced attendance	513	Roadside stand, counter, produce
758	Relief stamping, paper	164	Roadside stand, counter, eating
545	Religious goods store	742	Robe mfg
591	Religious organization office	786	Rocket airframe mfg
713	Relish mfg	762	Rocket fuel mfg
931	Remodeling, major, bldg vacated	844	Rocket fuel stge
		631	Rocket launch site

762	Rocket mfg, signal	734	Rug mfg, mixed fibers
988	Rocket military	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	949	Sailboat
776	Room heater mfg, unit type	941	Sailing vessel, under 65 ft loa
431	Rooming house, 4-8 roomers	713	Salad dressing mfg
432	Rooming house, 9-15 roomers	726	Salad oil mfg
441	Rooming house, over 15 roomers, yr rd	163	Saloon
715	Root peeling mill	676	Salt crushing, screening, etc
737	Rope mfg	761	Salt mfg, chemical
853	Rope stge	676	Salt mining
769	Rosin mfg	719	Salt packing, not at mine
783	Roundhouse	719	Salt processing, not at mine
742	Rubber clothing mfg	719	Salt refining, edible
747	Rubber, dipping, mixing, etc	877	Salvage yard
747	Rubber footwear mfg, vulcanized	758	Sample mounting, printing
522	Rubber goods store	332	Sanatorium
655	Rubber growing	675	Sand, extraction from earth
747	Rubber hose mfg	688	Sand, washing, screening, etc
747	Rubber mat mfg	776	Sander mfg, elec
747	Rubber mfg, foamed	687	Sandpaper mfg
661	Rubber plantation	675	Sandstone mining, quarrying
747	Rubber products mfg	688	Sandstone, working
867	Rubber products storage	684	Sanitary earthenware mfg
742	Rubber rainwear mfg	933	Sanitation project, constr, repair
747	Rubber reclaiming	934	Sanitation project, demolition
747	Rubber scrap processing	661	Sap, gathering, extracting, etc
747	Rubber shoe mfg, vulcanized	794	Sapphire, cutting, mounting
799	Rubber stamp mfg	948	Sardine, catching
541	Rubber stamp store	751	Sash mfg, wood
867	Rubber storage	791	Satellite mfg, assembly
747	Rubber toy mfg	632	Satellite tracking station
747	Rubber waste processing	733	Satinet cloth mill
661	Rubber, wild, gathering	713	Sauce processing
914	Rubbish	773	Saucepan mfg
648	Rubbish burner, industrial	711	Sausage casing mfg
794	Ruby, cutting, mounting	592	Savings bank
796	Rug, cleaning, dyeing	592	Savings, loan institution
732	Rug mfg, cotton	773	Saw mfg, hand
		776	Saw mfg, electric

751	Saw, planing mill	232	Secretarial school
751	Sawdust mfg	591	Security, broker, dealer
751	Sawdust pile	726	Seed cake mfg
751	Sawmill, in or out of forest	655	Seed crop
774	Scale mfg	726	Seed meal mfg
742	Scarf mfg	719	Seed preparation
232	School, business, commercial	811	Seed storage, bulk
343	School, correctional	554	Seed store
233	School, dancing	565	Self-service dry cleaning
233	School, deaf, dumb or blind	564	Self-service laundry
461	School dormitory	794	Semi-precious stone working
213	School, elementary	242	Seminary classroom building
215	School, high	792	Sensitized film mfg
214	School, intermediate	577	Service station, marine
214	School, junior high	572	Service station, private
221	School, private boarding, classroom	571	Service station, public
343	School, reform	648	Sewage disposal plant
132	School, religious education only	648	Sewer
233	School, specialty	933	Sewer, constr, repair
132	School, Sunday	934	Sewer, demolition
231	School, trade, industrial	774	Sewing machine mfg, bookbinding
231	School, vocational	776	Sewing machine mfg
942	Schooner, under 1,000 gt, over 65 ft	532	Sewing machine store
791	Scientific equipment mfg	773	Shackle mfg
688	Scientific glassware mfg	754	Shade mfg, any material
791	Scientific instrument mfg	526	Shade store
593	Scientific organization office	751	Shake splitting, wood
773	Scissor mfg	767	Shale oil refining
784	Scooter mfg, motorized	766	Shampoo mfg
966	Scooter, motorized	776	Shaver mfg, dry, elec
771	Scrap iron, processing	726	Shaving cream mfg
877	Scrap recovery, reclaiming	726	Shaving soap mfg
747	Scrap rubber processing	773	Shears mfg
774	Scraper mfg, earth	936	Shed, contractors
774	Screening machine mfg	708	Shed, tool
773	Screw mfg	766	Sheep dip mfg
233	Sculpture, school for	654	Sheep raising
773	Scythe mfg	742	Sheepskin lined clothing mfg
948	Sea fishing, by net or line	744	Sheepskin mat mfg
714	Sea food, packing, canning, etc	745	Sheepskin rug mfg
714	Sea food, salting, drying, etc	745	Sheepskin, shearing
948	Sea shell, gathering	774	Sheet metal working machine mfg
756	Seal bottle, jar mfg	773	Sheet metal working, base metal
948	Seal hunting	743	Sheet mfg
573	Seat cover shop, auto	758	Sheet music, publishing, printing
785	Seat post mfg, cycle	534	Sheet music sales
754	Seat upholstered mfg for veh	747	Sheet rubber mfg
948	Seaweed, gathering	754	Shelf mfg, any material
221	Secondary school, classroom bldg, boarding	773	Shell case mfg, arms
215	Secondary school, day	762	Shell filling, munitions
521	Secondhand clothing sale	799	Shell products mfg

765	Shellac mfg	762	Signal rocket mfg
925	Shelter, fallout, storm or bomb	811	Silage storage
751	Shingle mfg, wood	735	Silk, finishing
781	Ship breaking yard	799	Silk lamp shade mfg
781	Ship fabricating plant, over 65 ft	734	Silk mill
781	Ship parts mfg	734	Silk, spinning, etc
943	Ship, passenger	823	Silk storage, bales, bags
781	Ship repairing, over 65 ft	811	Silo, farm
885	Ship storage	794	Silver & silver plate ware assembly mfg
944	Ship, tank	794	Silver, assaying, smelting, etc
945	Ship, war, combat	774	Silver can mfg, for textile machine
773	Shipping container mfg, metal	673	Silver mining, quarry
781	Shipyard, vessels over 65 ft	794	Silverware mfg
742	Shirt mfg	824	Sisal storage, bales, bags
522	Shirt store	737	Sisal working
784	Shock absorber mfg, motor veh	153	Site, historic
733	Shoddy mfg	552	Skate shop
733	Shoddy mill	114	Skating rink, ice
741	Shoe accessory mfg	123	Skating rink, in arena
754	Shoe case mfg	115	Skating rink, roller
732	Shoe lace mfg, braided cotton	774	Ski lift mfg
733	Shoe lace mfg, braided, wool	552	Ski shop
734	Shoe lace mfg, braided fibers	986	Ski tow
745	Shoe laces mfg, leather	745	Skin mat mfg
774	Shoe mchry mfg	828	Skin product storage
741	Shoe mfg	828	Skin stge
765	Shoe polish mfg	745	Skin, tanning, dressing, etc.
523	Shoe repair shop, store	742	Skirt mfg
523	Shoe repair with manufacture	773	Skylight mfg, metal
523	Shoe shine stand, shop	742	Slacks mfg
827	Shoe storage	675	Slate quarrying
522	Shoe store	688	Slate, working, cutting, etc.
753	Shoe tree mfg	711	Slaughter house
113	Shooting gallery	442	Sleeping area, hotel, seasonal
754	Shop front mfg	441	Sleeping area, hotel, yr round
754	Shop furniture mfg	743	Slip cover mfg
716	Shortbread mfg	741	Slipper mfg
726	Shortening mfg	773	Small arms or accessory mfg
835	Shortening stge	772	Smelting
773	Shotgun mfg	711	Smoke house, meat
774	Shovel loader mfg, earth- moving	164	Snack bar
714	Shrimp, packing, canning, etc	718	Snack mfg
911	Shrubbery, cultivated	773	Snap fastener mfg, metal
754	Shutter mfg	982	Snow blower
753	Shuttle mfg, for textile machine	774	Snow blower mfg
785	Side car mfg, assembly	554	Snow blower rental
751	Siding mfg, wood	966	Snowmobile
962	Sight-seeing bus	725	Snuff plant
754	Sign lettering	838	Snuff storage
754	Sign mfg	726	Soap or detergent mfg
754	Sign painting	869	Soap storage
783	Signal mfg, railroad	675	Soapstone, mining, quarrying
		141	Social club, w/o sleeping

421	Social club, w/sleeping, 1-2 units	794	Spoon mfg, precious metal
424	Social club, w/sleeping, over 20 units	746	Sporting goods mfg, leather
736	Sock mfg, knitted	798	Sporting goods mfg, non-leather
776	Socket mfg, elec	552	Sporting goods store
755	Soda pulp mfg	773	Sporting guns mfg
677	Sodium, mining, quarrying	123	Sports arena
761	Sodium processing	737	Sports net mfg
724	Soft drink mfg	521	Sportswear shop
744	Sole, leather tannery	774	Spring balance mfg
741	Sole mfg, leather or plastic	773	Spring mfg, steel
741	Sole mfg, wooden	815	Stable
763	Solid resin mfg, synthetic	123	Stadium
762	Solvent extraction	765	Stain mfg. wood, varnish
767	Solvent mfg	682	Stained glass mfg
462	Sorority house	799	Stamp mfg, embossing, metal
532	Sound equipment sales	799	Stamp mfg, rubber
776	Sound recording equip mfg	758	Stamp, postage, printing
719	Soup canning	773	Stamped metal pieces mfg, drop
816	Soybean elevator	661	Standing timber
715	Soybean, grinding, splitting	734	Staple fiber mfg
726	Soybean processing	715	Starch plant
811	Soybean storage, bulk	837	Starch storage, bulk
791	Space measuring instrument mfg	591	State capitol
987	Space vehicle	591	State office
773	Spade mfg	514	State store, liquor
716	Spaghetti mfg	173	Station, bus
773	Spanner mfg	176	Station, elevated
781	Spar mfg, vessels over 65 ft	888	Station, fire
782	Spar mfg, vessels under 65 ft	345	Station, police
233	Specialty school	174	Station, railroad, street level
792	Spectacle mfg	175	Station, subway
941	Speed boat under 65 ft loa	756	Stationery mfg, incl printing
726	Sperm oil products	541	Stationery store
719	Spice processing	752	Stave mfg
771	Spiegeleisen mfg	141	Steam bath
774	Spindle mfg, for textile machine	774	Steam boiler mfg
774	Spinning machine mfg, textile	646	Steam generating plant
732	Spinning mill, cotton	774	Steam pipeline
734	Spinning mill, mixed, other fibers	774	Steam roller mfg
733	Spinning mill, wool or worsted	774	Steam shovel mfg
773	Spiral spring mfg	726	Stearin oil mfg
791	Splint mfg	726	Stearin oil, refining
716	Split pea mfg	771	Steel alloy mfg
948	Sponge, gathering	771	Steel, basic products mfg
747	Sponge mfg, rubber or synthetic	771	Steel, billets, blooms, etc
747	Sponge rubber mfg	771	Steel conversion, forging
774	Spool mfg, for textile machine	771	Steel foundry, furnace, mill
773	Spoon mfg, nonprecious metal	771	Steel, smelting, refining, etc.
		773	Steel spring mfg
		771	Steel stripping
		774	Steelwork mfg, building, bridge

784	Steering gear mfg, motor vehicle	461	Student dormitory
799	Stencil mfg	141	Student union
595	Stenographic services firm	113	Studio, dance
757	Stereotyping, newspaper, magazine	186	Studio, motion-picture
758	Stereotyping, all other	553	Studio, photography, still picture
561	Stethoscope sales	185	Studio, radio and TV
736	Stocking mfg, knitted	662	Stump storage, wood
711	Stockyard abattoir	642	Substation, elec
817	Stockyard livestock stge	954	Subway car
774	Stoker mfg	783	Subway car mfg
688	Stone crushing	933	Subway, constr, repair
675	Stone quarrying	934	Subway, demolition
688	Stone, shaping, grinding, etc	641	Subway, elec power plant
681	Stoneware pipe, conduit mfg	175	Subway station
753	Stopper mfg, cork	711	Suet mfg
891	Storage, general	717	Sugar beet or cane refining
562	Store fixture sales	836	Sugar storage, bulk
754	Store front mfg	831	Sugar storage, packaged
754	Store shutter mfg	717	Sugar syrup refining
754	Storm door mfg	742	Suit mfg
925	Storm shelter	746	Suitcase mfg
723	Stout mfg	755	Sulphate, sulphite pulp mfg
681	Stove lining, mfg brick	677	Sulfur, natural, mining
771	Stove mfg, cast iron	761	Sulfur, natural, processing
776	Stove mfg, elec	677	Sulfur ore mining
773	Stove mfg, not cast iron, nonelec	761	Sulfur ore, processing
765	Stove polish mfg	412	Summer cottage, in summer, 1-family
532	Stove sales	181	Summer stock theater
746	Strap mfg, leather	132	Sunday school
742	Straw hat mfg	511	Supermarket, over 10,000 sq ft
739	Straw mat mfg	512	Supermarket, under 10,000 sq ft
756	Straw mfg, paper	162	Supper club
737	Straw, rope, cord, etc	593	Surgeons office
911	Straw stack	791	Surgical appliance mfg
917	Street	791	Surgical instrument mfg
933	Street, constr, repair	791	Surgical supply mfg
934	Street, demolition	521	Surplus store
174	Street level rail terminal	594	Surveyors office
933	Street paving	742	Suspender mfg
783	Street railway painting shop	933	Swimming pool, constr, repair
783	Street railway repair shop	934	Swimming pool, demolition
887	Street railway storage house	116	Swimming pool or equipment
783	Streetcar assembling, mfg	953	Switch engine
795	String instrument mfg	776	Switch mfg, elec
737	String mfg	776	Switchboard mfg, telephone
761	Strontium minerals processing	775	Switchgear mfg, elec
677	Strontium minerals, mining	956	Switching tower, railroad
681	Structural clay product mfg	773	Sword mfg
893	Structural clay products storage	131	Synagogue
771	Structural steel mfg	761	Synthetic dye mfg
871	Structural steel storage	761	Synthetic fertilizer mfg
141	Student club	734	Synthetic fiber, carding, etc

735	Synthetic fiber, finishing		heating element
764	Synthetic fiber mfg	776	Teapot mfg, metal,
734	Synthetic fiber, part process mill		w/heating element
823	Synthetic fiber storage, bales bags	774	Teasel rod mfg, for textile machine
763	Synthetic resin mfg	231	Technical school
763	Synthetic rubber mfg	791	Teeth mfg, artificial, false
747	Synthetic rubber product mfg	776	Telegraph apparatus mfg
683	Syphon, glass mfg	933	Telegraph line, constr, repair
724	Syrup mfg, flavoring	934	Telegraph line, demolition
754	Table mfg, any material	751	Telegraph pole mfg
726	Table oil mfg	776	Telephone apparatus mfg
743	Tablecloth mfg	634	Telephone exchange
794	Tableware mfg, metal or stones	933	Telephone line, constr, repair
776	Tabulating machine mfg	934	Telephone line, demolition
756	Tabulating machine card mfg	776	Teleprinter mfg
799	Tag mfg	792	Telescope mfg
524	Tailor shop	548	Telescope sales
742	Tailor-made clothing mfg	776	Teletype machine mfg
675	Talc, mining, quarrying	754	Television cabinet mfg, wood
688	Talc works	776	Television mfg
726	Tallow mfg	538	Television repairs, w/o sales
726	Tallow oil, refining	532	Television sales
841	Tank farm	131	Temple
841	Tank storage, flammable liquids	583	Ten cent store, over 10,000 sq ft
842	Tank storage, gas	582	Ten cent store, under 10,000 sq ft
843	Tank storage, LP-Gas	421	Tenement, 1-2 families, w/business
964	Tank truck	422	Tenement, 3-20 families, w/business
944	Tanker ship	423	Tenement, 3-20 families, w/o business
745	Tannery, fur, skin, pelt, hide	424	Tenement, over 20 families
744	Tannery, leather	142	Tennis club
761	Tanning extract mfg	933	Tennis court, constr, repair
776	Tape mfg, recording	934	Tennis court, demolition
732	Tape mfg, woven cotton	743	Tent mfg
734	Tape mfg, woven, mixed fibers	552	Tent sales
776	Tape recorder mfg	526	Tent store
726	Taper mfg, candles	171	Terminal, airport
163	Taproom	173	Terminal, bus, limousine
768	Tar coated paper mfg	176	Terminal, elevated
767	Tar distillation	894	Terminal, freight
743	Tarpaulin mfg	816	Terminal grain elevator
163	Tavern, w/o sleeping accommodations	177	Terminal, marine
441	Tavern, w/sleeping accommodations, yr rd	171	Terminal, passenger, airport
961	Taxicab	174	Terminal, street level
784	Taxicab mfg, assembly	175	Terminal, subway
883	Taxicab parking	894	Terminal warehouse
752	Tea chest mfg	771	Terneplate mfg
655	Tea growing	681	Terra cotta mfg
719	Tea leaf processing	784	Test cell, engine
773	Teapot mfg, metal, w/o	735	Textile finishing
		774	Textile mchry mfg
		826	Textile product storage

826	Textile product storage, finished	656	Tobacco preparing
526	Textile store	838	Tobacco products storage
826	Textiles storage	542	Tobacco shop
181	Theater, combined use	725	Tobacco, stemming
184	Theater, drive-in	814	Tobacco storage, loose or baled
181	Theater, legitimate	717	Toffee mfg
183	Theater, motion picture	799	Toilet brush mfg
776	Therapeutic apparatus mfg	756	Toilet paper mfg
776	Thermistor mfg	927	Toilet, portable
776	Thermostat mfg	766	Toiletries mfg
865	Thinner storage	923	Toll station
732	Thread mill, cotton	766	Toners mfg
734	Thread mill, mixed, other fibers	774	Tool holder mfg, metal
733	Thread mill, wool or worsted	774	Tool mfg
739	Thread reworking mill	791	Tool mfg, engineers
774	Thresher mfg, incl self-propelled	776	Tool mfg, flexible shaft, portable
123	Ticket office, sporting events	773	Tool mfg, hand
758	Ticket printing	776	Tool mfg, power
522	Tie store	818	Tool shed
738	Tile mfg, asphalt, vinyl, linoleum	873	Tool storage
747	Tile mfg, rubber floor	766	Tooth paste mfg
681	Tile plant, clay products	766	Tooth powder mfg
662	Timber, hewing, rough shaping	799	Toothbrush mfg
661	Timber, planting, replanting	573	Top shop, motor vehicle
661	Timber standing	773	Torpedo case mfg
662	Timber, yard storage	962	Tour bus
793	Time lock mfg	451	Tourist cabin
793	Time recorder mfg	431	Tourist home, 4-8 roomers
776	Time switch mfg, elec	432	Tourist home, 9-15 roomers
793	Timer mfg	441	Tourist home, over 15 roomers, yr rd
773	Tin can mfg	743	Towel mfg
673	Tin mine, quarry	591	Town hall
772	Tin products mfg	591	Town office building
772	Tin, refining, smelting, etc	798	Toy mfg, nonrubber
773	Tin stamping, cold pressing	747	Toy mfg, rubber
772	Tin wire drawing	551	Toy store
773	Tinware mfg	962	Trackless trolley
747	Tire mfg	758	Tract, publishing, printing
747	Tire recapping, repair	982	Tractor
877	Tire salvage	774	Tractor mfg, agri, ind
867	Tire storage	774	Tractor mfg, garden
575	Tire store	574	Tractor sales
773	Titanium, hollowware mfg	757	Trade journal publishing
772	Titanium refining, smelting, etc	231	Trade school
773	Titanium, stamping, etc	562	Trade supply sales
772	Titanium wire drawing	775	Traffic indicator mfg, vehicle
776	Toaster mfg, domestic	776	Traffic signaling apparatus mfg
656	Tobacco curing, drying shed	473	Trailer camping
655	Tobacco growing	968	Trailer, commercial
725	Tobacco plant	968	Trailer, industrial
		784	Trailer, mfg, assembly
		968	Trailer, professional

574	Trailer sales	776	Tube mfg, elec vacuum
472	Trailer, travel	771	Tube mfg, flexible, iron or steel
642	Transformer	747	Tube mfg, inner tube, rubber
775	Transformer mfg	764	Tube mfg, plastic
642	Transformer vault	682	Tubing, glass mfg
776	Transistor mfg	747	Tubing mfg, rubber
894	Transit shed	941	Tugboat, under 65 ft loa
774	Transmission chain mfg	942	Tugboat, under 1,000 gt, over 65 ft
644	Transmission line, gas	922	Tunnel
645	Transmission line, oil	933	Tunnel, constr, repair
784	Transmission mfg, motor vehicle	934	Tunnel, demolition
776	Transmitter mfg	781	Turbine mfg, repairs, marine
632	Transmitter site, radar	775	Turn indicator mfg, vehicle
632	Transmitter site, radio, TV	765	Turpentine refinery
632	Transmitter site, tracking station	185	TV studio
663	Trapping	632	TV transmitting site
914	Trash	776	TV tube mfg
914	Trash barrel	682	TV tubes, glass envelope mfg
472	Travel trailer, temporary family unit	737	Twine plant
664	Tree	773	Type foundry
662	Trees, felling, rough cutting	774	Typesetting machine mfg
921	Trestle	758	Typesetting, misc
785	Tricycle mfg	757	Typesetting, newspaper
954	Trolley car	776	Typewriter mfg, elec, manual
641	Trolley car, electric power plant	538	Typewriter repair w/o sales
887	Trolley car storage	799	Typewriter ribbon mfg
784	Troop carrier mfg, assembly	531	Typewriter sales, w/repair
742	Trouser mfg	794	U.S. mint
575	Truck accessory store	742	Umbrella mfg
965	Truck, cement	522	Umbrella store
964	Truck, chemical tank	925	Underground shelter
963	Truck, compressed gas tank	934	Underwater rock removal
655	Truck, farm	742	Underwear mfg
964	Truck, flammable liquid	742	Uniform mfg
984	Truck, fork lift	242	University classroom building
894	Truck freight terminal	461	University dormitory
965	Truck, general	935	Unoccupied bldg
965	Truck, mail	739	Upholstery filling mfg
632	Truck, mobile communications	754	Upholstering plant
883	Truck parking area	751	Upholstery fill mfg, wood
884	Truck repair, equip storage	531	Upholstery store
574	Truck sales	744	Upper leather tannery
964	Truck, tank, not compressed gas	744	Upper shoe leather tanning
965	Trucking, farm products	642	Utility pole
784	Truck mfg, assembly	935	Vacant bldg
791	Trunk mfg	911	Vacant lot
791	Truss mfg	776	Vacuum cleaner mfg, elec
752	Tub mfg	683	Vacuum flask, glass mfg
682	Tube electronic glass envelope mfg	774	Valve mfg, mechanical
773	Tube mfg, collapsible	776	Valve mfg, elec
		583	Variety store, over 10,000 sq ft
		582	Variety store under 10,000 sq ft
		765	Varnish mfg

865	Varnish storage	776	Washing mchry mfg, elec
752	Vat mfg	739	Waste, batting mill
773	Vault door mfg	877	Waste paper reclaiming
642	Vault, electrical	755	Waste paper sorting
636	Vault, records	855	Waste paper stge
642	Vault, transformer	747	Waste rubber processing
713	Vegetable canning	733	Waste wool recovery
713	Vegetable, dehydrating, quick-freeze	793	Watch mechanism mfg
719	Vegetable dye mfg	793	Watch mfg
655	Vegetable growing	544	Watch repair shop
713	Vegetable juices, packing	544	Watch sales
726	Vegetable oil refinery	793	Watchcase mfg
657	Vegetable packing, as picked	611	Water, heavy
713	Vegetable packing	933	Water main, constr, repair
787	Vehicle mfg, animal or hand drawn	934	Water main, demolition
784	Vehicle mfg, assembly	933	Water power project, constr, repair
732	Veil, veiling mfg, cotton	934	Water power project, demoli- tion
734	Veil, veiling mfg, mixed fibers	647	Water reservoir
733	Veil, veiling mfg, wool	647	Water tank
751	Veneer mfg	942	Water taxi, under 1,000 gt, over 65 ft
774	Ventilating mchry mfg	647	Water treatment
716	Vermicelli mfg	933	Water well, constr, repair
975	Vertical takeoff aircraft non- military	934	Water well, demolition
942	Vessel, water, under 1,000 gt, over 65 ft	647	Water works
742	Vestment mfg	916	Waterborne debris
766	Veterinary chemicals mfg	742	Waterproof outerwear mfg
556	Veterinary service	933	Waterway, constr, repair
933	Viaduct, constr, repair	934	Waterway, demolition
934	Viaduct, demolition	767	Wax mfg, paraffin
773	Vice mfg, metal	765	Wax products mfg
776	Victrola mfg	736	Wearing apparel mfg, knitted
713	Vinegar mfg	743	Wearing apparel mfg, not knitted
733	Virgin wool working	521	Wearing apparel sale, rental
346	Vocational rehabilitation cen- ter	826	Wearing apparel storage
231	Vocational school	774	Weaving machine mfg, tex- tile
739	Wadding mfg, all fibers	732	Weaving mill, cotton
967	Wagon	734	Weaving mill, mixed, other fibers
787	Wagon mfg, horse drawn	733	Weaving mill, wool or wor- sted
742	Walking stick mfg	732	Webbing mfg, cotton
535	Wall covering sales	734	Webbing mfg, mixed, other fibers
773	Wall mfg, curtain-wall, metal	733	Webbing mfg, wool or wor- sted
773	Wall mfg, metal	769	Weed killer mfg
756	Wall paper mfg, incl printing	774	Weighing machine mfg
535	Wall paper store	774	Welding electrode mfg
891	Warehouse, general storage	774	Welding mchry mfg, nonelec
945	Warship	775	Welding mchry mfg, elec
773	Washer mfg, metal	774	Welding rod mfg
774	Washing machine mfg		
532	Washing machine sales		

773	Welding shop	342	Women detention home
561	Welding supply sales	753	Wood block mfg
981	Well drilling rig, water	782	Wood boat mfg
985	Well drilling rig, petroleum, gas	751	Wood building products mfg
674	Well, oil gas	753	Wood carving mfg
726	Whale oil refining	666	Wood chip pile
948	Whaling, factory vessel	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
846	Whiskey storage	751	Wood preserving plant
765	White lead paste mfg	753	Wood products mfg
799	Wig mfg	852	Wood products storage
525	Wig sales	853	Wood pulp stge
752	Willow product mfg	753	Wood rack mfg
775	Winch mfg, elec	751	Wood roofing mfg
774	Winch mfg, nonelec	753	Wood saddlery mfg
795	Wind instrument mfg	751	Wood, sawing, planing, etc
774	Winding machine mfg, tex- tile	751	Wood sleeper mfg
682	Window glass mfg	753	Wood sole mfg
773	Window sash mfg, metal	765	Wood stain mfg
751	Window sash mfg, wood	753	Wood toy mfg
754	Window shade plant	751	Wood treating plant
535	Window shade store	752	Wood tube mfg
773	Window, storm or screen mfg, metal	758	Woodcuts mfg
751	Window, storm or screen mfg, wood	751	Wooden door mfg
567	Window washing firm	795	Wooden furniture mfg
722	Wine mfg	795	Wooden musical instrument mfg
766	Wine mfg, medicated	661	Woodland maintenance
846	Wine storage	753	Woodware mfg
722	Winery	751	Woodwork mfg
412	Winter cottage, in winter, 1-family	753	Woodworking, off building site
413	Winter cottage, in summer, 1-family	751	Woodworking, on building site
785	Wiper mfg, cycle	733	Wool blending, cleaning, combing
784	Wiper mfg, motor vehicle	735	Wool finishing
771	Wire drawing, ferrous	733	Wool, full process mill
774	Wire drawing machine mfg	726	Wool grease, refining
772	Wire drawing, nonferrous	742	Wool hat mfg
773	Wire gauze mfg	733	Wool, part process mill
754	Wire mattress mfg	654	Wool production
773	Wire mfg, exc drawing	733	Wool recovery
776	Wire mfg, insulated elec	733	Wool reworking mill
773	Wire nail mfg	733	Wool scouring plant
773	Wire net mfg	733	Wool sorting plant
773	Wire products mfg	733	Wool, spinning, carding, etc
774	Wire rope making mchry mfg	822	Wool storage, bales, bags
775	Wiring harness mfg, vehicle	774	Work holder mfg, metal
		464	Workers barracks
		735	Worsted, finishing

733	Worsted, spinning, etc	143	Yachting club
733	Worsted yarn, spinning, doubling, winding	885	Yachting club, mooring, launching facility
755	Wrapping paper mfg	825	Yard goods storage
773	Wrench mfg	526	Yard goods store
765	Writing ink mfg	732	Yarn mfg, cotton
756	Writing pad mfg, incl blank books	734	Yarn mfg, mixed, other fibers
755	Writing paper mfg	733	Yarn mfg, wool or worsted
771	Wrought iron works	732	Yarn mill, cotton
776	X-ray apparatus mfg	734	Yarn mill, mixed, other fibers
868	X-ray film storage	733	Yarn mill, wool or worsted
776	X-ray machine mfg	739	Yarn reworking mill
441	Y.M.C.A. w/sleeping, yr rd	526	Yarn shop
141	Y.M.C.A./Y.W.C.A. no sleeping	825	Yarn storage
441	Y.W.C.A. w/sleeping, yr rd	719	Yeast mfg
143	Yacht club	773	Zinc hollow ware mfg
941	Yacht, under 65 ft loa	673	Zinc mine, quarry
942	Yacht, under 1,000 gt, over 65 ft	773	Zinc nail mfg
		772	Zinc refining, smelting, etc
		773	Zinc, stamping, cold pressing
		772	Zinc wire drawing

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 A through D. 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 E through H.

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 the Property

a. _____ Street or streets	b. _____ local name or designation
c. _____ community or subdivision-zipcode	d. _____ box or census tract number*
e. _____ City, county, state or province	
For Individual Properties	
f. _____ property classification — from Chapter B	
g. _____ property representative to contact	_____ telephone number

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

Alabama	AL	1	New Mexico	NM	32
Alaska	AK	2	New York	NY	33
Arizona	AZ	3	North Carolina	NC	34
Arkansas	AR	4	North Dakota	ND	35
California	CA	5	Ohio	OH	36
Colorado	CO	6	Oklahoma	OK	37
Connecticut	CT	7	Oregon	OR	38
Delaware	DE	8	Pennsylvania	PA	39
District of Columbia	DC	9	Rhode Island	RI	40
Florida	FL	10	South Carolina	SC	41
Georgia	GA	11	South Dakota	SD	42
Hawaii	HI	12	Tennessee	TN	43
Idaho	ID	13	Texas	TX	44
Illinois	IL	14	Utah	UT	45
Indiana	IN	15	Vermont	VT	46
Iowa	IA	16	Virginia	VA	47
Kansas	KS	17	Washington	WA	48
Kentucky	KY	18	West Virginia	WV	49
Louisiana	LA	19	Wisconsin	WI	50
Maine	ME	20	Wyoming	WY	51
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	NB	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 Territory	YT	70

*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.

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 900 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. | 6. 1500-1999 gpm. |
| 2. 250-499 gpm. | 7. 2000 gpm and over. |
| 3. 500-749 gpm. | 9. No water main. |
| 4. 750-999 gpm. | 0. Not reported. |
| 5. 1000-1499 gpm. | |

CC. Size of Water Main

- | | |
|-----------------|-------------------------|
| 1. 4 in. diam. | 6. 12 in. diam. |
| 2. 5 in. diam. | 7. 14 in. or over diam. |
| 3. 6 in. diam. | 9. No water main. |
| 4. 8 in. diam. | 0. Not reported. |
| 5. 10 in. diam. | |

CD. Water Tank Capacity Responding to First Alarm

- | | |
|--------------------------|-------------------------|
| 1. Less than 200 gallons | 4. 1000 gallons or over |
| 2. 200-499 gallons | 0. Not reported. |
| 3. 500-999 gallons | |

CE. 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, according to 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
6. Vehicle
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

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

DB. 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

DC. 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 systems, 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

DD. 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 condition briefly

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

describe condition briefly

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

describe

6. Open stairways or other unprotected vertical openings _____

describe condition 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

DE. 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 areas — 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

DF. 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

Chapter E. Area of Origin

EA. Introduction

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 areas
2. Principal function areas
3. Auxiliary function areas
4. Storage areas
5. Service facilities
6. Service and equipment areas
7. Structural areas
8. Special areas
9. Other areas

EB. Codes

*If a separate major division under *EB Codes* is required for "miscellaneous or unknown," it is suggested that E0 be reserved for this purpose, and that "means of egress" be coded E18.

0. Means of Egress

01. Hallway, corridor
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.
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, museum
Includes art gallery, exhibit space.
17. Swimming pool
19. Other assembly areas — specify in detail

2. Principal 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. Lavatory, locker room, cloakroom
Includes checkroom, rest room, bathroom, powder room, washroom, shower room, sauna bath, etc.
25. Laboratory
29. Other principal function areas — specify in detail

3. Auxiliary Function Areas (Process Area)

31. Kitchen, cooking area
32. Laundry room or area
Includes wash house.
33. First aid, treatment room
Includes minor surgery.
34. Operating room
Includes recovery room, operating theater.
35. Electronic equipment room/area
Includes control center, radar room, electronic computer area, data processing center, telephone equipment, etc.
36. Performance, stage area
Includes backstage, dressing room, ice rink, boxing ring or basketball floor.
37. Office
38. Process, manufacturing area
Includes workroom.
39. Other auxiliary 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
Includes wastepaper, industrial waste container, garbage or trash chute without incinerator; See 64 for incinerator room and chute.
47. Garage, carport, vehicle storage area
49. Other storage areas — specify in detail

5. Service Facilities

51. Elevator, dumb-waiter shaft
52. Shaft — pipe, vent
53. Shaft — light
54. Projection room or area
Includes stage light and spotlight areas.

- 86. Transportation equipment; passenger area
- 87. Transportation equipment; trunk or load carrying area
- 89. Other special area — specify in detail

9. Other (Use only in the event of no other classification)

- 91. Near railroad right of way, embankment
- 92. Near highway, public way, street
- 93. Near foot, bicycle, riding path
- 94. Wildland area, woods
- 95. Mine
- 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 F9.

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

- 55. Duct spaces
Includes air conditioning, heating cable, etc.
- 56. Display window
- 57. Chimney
- 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, flue-fed, trash chute, etc.
- 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. Roof surface, exterior
- 78. Awning
- 79. Other structural area — specify in detail

8. Special Areas

- 81. Lawn, field, open area
Includes farmyard.
- 82. Court, patio, terrace
- 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.

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.
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 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 light bulbs, see G54 in "Form of Heat of Ignition.")

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, lamp holder 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. Electrical 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. Electric blanket
Includes hot pad, heating pad.
55. Iron
Includes pressing, ironing machine
56. Floor care equipment
Includes vacuum cleaners; excluding "ride on" type which are classified as Industrial Truck in section 86.
57. 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.
58. Hand tools, miscellaneous electric tools
Includes soldering iron
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. Vehicle
Includes all fires in vehicles
- 87. 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 of 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.
- 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 G4 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
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. Light bulb
55. Rekindle, reignition
56. Heat from properly 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 Explosives, 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 explosives, 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, Chapter 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
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 1A
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
- 72. Cotton or rayon — cotton fabric or finished goods
- 73. Wool or wool mixture fabric or finished goods
- 74. Fur, silk, or other fabric or finished goods
- 75. Human hair, wig, not on person
- 76. Hair or wig on person
- 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. Tarpaulin, waterproof canvas
Includes tents
- 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 Undetermined

- 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. Roof covering, surface or finish (exterior)
- 12. Exterior sidewall covering, surface or finish
Includes eave
- 13. Exterior trim and appurtenances
Includes door, porch, platform
- 14. Floor covering, surface
Includes 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 and 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, cabinet, 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
49. Adornment, recreational material; not elsewhere classified, specify in detail
40. Adornment, recreational material; insufficient information 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, Fuel

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

7. Other Material

71. Agricultural product
72. Fence, pole
73. Fertilizer
74. Pyrotechnics, explosives
75. Tarpaulin, canvas
Includes tent, awning
76. Natural form; growing
Includes forest or brush fire
77. Rubbish, trash, waste
78. Cooking materials

8. Special Form (not elsewhere classified)

81. Dust
82. Fibers
83. Atomized liquid
84. Chips
85. Palletized material
86. Gas or liquid escaping or spilled from pipe or container

- 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

The act or lack of action on the part of a person or group of persons which provides the conditions ripe for fire is covered by this chapter. It is considered just to hold people responsible not only for their deliberate incendiary acts, but also for their misuse or neglect of equipment and personal goods.

More remote is failure to design, construct, or install safely; but as courts have held that actions for recovery may sometimes be based on such failures, they are included here as proper factors to consider in describing the background of a fire with respect to the human element.

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 or suffering mental lapse, a physical handicap, or drug induced stupor including alcoholism
- 34. Inadequate control of open fire, including smoking out animal
- 35. Cutting or welding too close to
- 36. Children with or child playing
- 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 accidentally
42. Improper fueling technique
43. Flammable liquid used to kindle fire
44. Washing part, cleaning
45. Improper container
46. Combustible placed too close to heat
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
55. 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
69. Construction, design, or installation deficiency; not elsewhere classified, specify in detail
60. Construction, design, or installation deficiency; insufficient information to classify further

9. Other Act or Omission

91. Animals
99. Act or omission not elsewhere classified, specify in detail
Includes exposure fire, vehicle crash fire
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 type 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.

KAA. 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.

KAB. 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	Date
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.

KB. Source of Alarm

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.

KC. Type of Situation Found

1. Fire or explosion
2. Overpressure rupture (no combustion)
3. Rescue
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 removed, 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.

KD. 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
4. Remove hazard
Includes washing down spill, shutting off utilities, etc.
5. Standby
6. Salvage
7. Ambulance service
9. Other (specify)
0. Unable to classify

KE. Level of Origin

Code Number	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.

KF. Occupant of Area of Origin

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

Chapter L. Fire Casualties, Loss, Manpower Used

This chapter is divided into five sections, as follows:

Section A Casualty Listing

Section B Property Damage Classification

Section C Extent of Fire Damage

Section D Lost Time of Business

Section E Manpower Used by Fire Department

Except for Section E, the coding in Chapter L might well be restricted to those fires where there are casualties or dollar loss above a certain significant amount. Fire departments may desire to use Section E, however, on less destructive fires.

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. Casualty Listing

1. Number of persons made homeless by fire
Includes the number of persons who could not reside in their buildings or beds the night after the fire.
2. Number of persons injured, fire service
3. Number of persons killed, fire service
4. Number of persons injured, civilian
5. Number of persons killed, civilian

LB. 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.

LCA. Extent of Flame 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

LCB. Extent of Other Damage

Describe extent of smoke, water, heat, fire fighting damaged 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

LD. 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

LE. Manpower Used

Multiply number of men by number of hours out of fire headquarters on each alarm, and accumulate.

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

APPENDIX A

The following system for property use classification is the basis for the code numbers presented in Chapters A and B. Those who wish to find the code number quickly for a single occupancy might best use the alphabetical lists in Chapters A and B. If they wish to know the logical background for the numbers, they might well refer to this Appendix.

1. PUBLIC ASSEMBLY

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. Night-clubs 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 and supper clubs 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
- 183. Motion-picture theater
Excluding drive-in theaters which are classified in Sub-division 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. EDUCATION

Educational properties are those used for the gathering of groups of persons for purposes of instruction such as schools, colleges, uni-

versities, 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 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 Sub-division 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. INSTITUTION

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 sanatoriums.

- 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, sanatorium
Includes care of post-operative patients, where care of aged is minor in proportion to other care.
- 333. Institution for deaf, dumb and 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. RESIDENCE

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 independently 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.

A 1- and 2-family dwelling in a building with a store, office, or other business is classified as an apartment in Subdivision 421.

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 with business
- 422. 3 to 20 units with business
- 423. 3 to 20 units without business
- 424. Over 20 units with or without business
- 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.
- 440. 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 on a chassis and designed to be used as a temporary family unit. A *camping trailer* is a collapsible portable structure built on a chassis and designed to be used as a temporary family unit. A *motor home* is a mobile family unit, permanent or temporary, containing its own motive power.

- 471. Mobile home
- 472. Travel trailer
- 473. Camping trailer
- 474. Motor home
- 475. House boat
- 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. STORES AND OFFICES

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 goods 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

- 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 Service; 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.
- 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 principal 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

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 ordnance 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 classify 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, substations, and transformers.
- 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, 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 small rubbish barrels and personal incinerators, classified in Subdivision 914; and 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. 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, log 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 non-metallic 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. Abrasives 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. MANUFACTURE

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, assembling, 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 creamery 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, except 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 is 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 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-excelior 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
The tanning, currying, finishing, embossing and japanning of leather.
745. Fur products manufacture; excluding wearing apparel
The 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
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
Printing, lithographing and publishing; commercial or job printing, lithographing; manufacture of greeting cards; looseleaf devices, library binders; bookbinding; blank book making; paper ruling; and other work related to book-binding such as bronzing, gilding 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 housings, enclosures, covers, linings, machine parts, moulding, extruding.
- 765. Paints, varnishes, lacquers, inks, waxes, adhesives manufacture
Manufacture of paints; varnishes, varnish stains and shellac; lacquers; enamels and japans.
Manufacture of inks, polishes, waxes, adhesives, gelatin.
- 766. Drugs, cosmetics, pharmaceuticals manufacture
The manufacture of drugs, medicinal and pharmaceutical preparations; perfumes, cosmetics and other toilet preparations.