

Section 19.00 – Preamble

The Industrial Complex (IC) District is intended to provide a location for a large scale manufacturing or assembly use. It is intended that uses in this District shall have these general requirements:

- A. The need for an extensive amount of contiguous land area.
- B. Direct service by railroad lines and a network of major thoroughfares.
- C. Its own power generating plant and industrial waste treatment system.
- D. Employment exceeding two thousand (2,000) people on one work shift.

Section 19.01 – Use Matrix *(amended 07.16.18)*

Uses Permitted by Right shall be permitted subject to the standards and requirements set forth herein. Special Uses shall be permitted subject to the standards and requirements set forth herein and subject to the standards and approval requirements as provided for in Section 30.02. Accessory Uses shall be permitted subject to the standards and requirements set forth herein and in Section 27.02. The Planning Commission may allow uses of a similar nature to those listed below, in accordance with Section 27.02E, provided that such uses will not create adverse impacts to surrounding uses.

LAND USE	Zoning District	Footnotes
P = Permitted by Right S = Special Use	IC	
Industrial, Research, and Technology Uses		
<u>Manufacturing, Assembly</u>		
A manufacturing or assembly plant of at least two million (2,000,000) square feet under one roof, maximum four million (4,000,000) square feet.	S	
A series of interconnected manufacturing and/or assembly plants on one site and under one ownership and having at least two million (2,000,000) square feet of total floor space, maximum four million (4,000,000) square feet.	S	
Indoor Recreation Use		
<u>Entertainment, Amusement and Recreational Uses</u>		
Indoor recreation facilities (such as batting cages, dance studios, cheerleading, gymnastics, indoor courts and fields [football, soccer, tennis, basketball], driving ranges, archery, skating rinks, hockey, and other indoor recreation facilities)	S	A
Accessory Special Land Use		
Shipping and receiving buildings	S	
Power generating plant	S	
Industrial waste treatment facility	S	
Storage areas for equipment, vehicles, and materials used by the permitted principal use	S	
Offices for the use of and related to the permitted principal use	S	
Outdoor storage per Section 27.19	S	

Section 19.02 – Footnotes to the Use Matrix *(amended 07.16.18)*

- A. Indoor recreation establishments are subject to a review of parking by the Planning Commission and subject to the submittal of parking studies based upon Institute of Transportation Engineers (ITE) standards, if required. The Planning Commission may allow a maximum building height of forty (40) feet, subject to the review of adjoining land use and a determination that additional building height for recreation uses will not adversely impact neighboring uses.

Section 19.03 – Required Conditions *(amended 07.16.18)*

All activities and uses in this District shall comply with the following required conditions, except where an existing building is legally in nonconformance with certain conditions, or where a variance from the conditions has been legally granted by the Zoning Board of Appeals. *(amended 01.30.86)*

- A. Site Plan Approval. The proprietor shall submit a site plan for approval pursuant to the requirements set forth in Section 30.01 of the Zoning Ordinance.
- B. Minimum and Maximum Parcel Size.
 - 1. The minimum parcel size shall be four hundred (400) acres. The maximum parcel size shall be five hundred (500) acres.
- C. Off-Street Parking.
 - 1. Parking requirements shall be based upon the following schedule *(amended 08.06.07)*:
 - a. One (1) parking space per one thousand (1000) square feet of gross floor area or one (1) space per employee whichever is greater for uses within the IC zoning district. One (1) additional parking space shall be added for every four (4) required spaces for facilities which operate more than one employee shift.
 - b. Fifty (50) visitor parking spaces shall also be provided for parcels larger than twenty-five (25) acres.
 - 2. The Planning Commission may, at their discretion, modify the numerical requirements for off-street parking, based on evidence provided by the applicant that indicates that another standard would be more reasonable, because of the level of current or future employment and / or the level of current or future customer traffic. *(amended 01.30.86)*
 - 3. Driveways and parking areas may be curbed and shall consist of hard-surfaced concrete, blacktop, crushed concrete or gravel, as approved by the Planning Commission.
 - 4. All off-street parking shall conform to the standards set forth in Section 27.04 of this Ordinance.
 - 5. No parking area or driveway shall be closer than thirty (30) feet to the adjacent property lines when the parcel abuts residentially zoned or used property. However, when the parcel abuts commercial/office or industrially zoned property, no parking area or driveway shall be closer than ten (10) feet to the adjacent property lines. *(added 07.16.18)*
 - 6. The required setback for parking may be reduced in width or waived by the Planning Commission when the parcel abuts commercial/office, or industrial zoned property, and when existing off-street parking, drives, and/or structures are located within the setback area. *(amended 09.16.93)*
- D. Landscaping.
 - 1. A landscape plan shall be submitted to the Planning Commission for approval. The landscape plan shall specify plant materials and landscape treatment, based on the requirements of Section 27.05 of this Ordinance for such items. This landscape plan shall be part of, or accompany, the site plan.
 - 2. A landscaped screen, at least fifty (50) feet in width, shall be provided along the entire perimeter of an IC District use, except where ingress and egress drives are located.
 - 3. Such screening shall consist of earth berms or evergreen landscaping subject to approval of the Planning Commission.

4. All landscaping and screening shall be maintained in an attractive, litter-free, safe, and healthy condition. Maintenance of all landscaping shall be of sufficient frequency to prevent overgrowth and deterioration from the original condition.
 5. The landscaped greenbelt required along with the perimeter of the parcel may be reduced in width or waived by the Planning Commission when the parcel abuts commercial/office or industrially zoned property and when existing off-street parking, drives and/or structures are located within the setback area. The Planning Commission may, at their discretion, modify or waive certain landscaping requirements in accordance with the considerations outlined in Section 27.05. *(amended 01.30.86, 09.16.93)*
- E. Sign Regulation. All signs shall comply with the standards set forth in Orion Township Sign Ordinance No. 153. *(amended 10.08.98, 02.21.06)*
- F. Lighting Regulations. *(amended 04.27.00)*
1. A lighting plan shall be submitted with all site plans as set forth in Section 27.11 of this Ordinance. All other Zoning Ordinance regulations shall apply unless otherwise noted in this Ordinance.
 2. Exterior site lighting shall be fully shielded and directed downward to prevent off-site glare.
 3. Site illumination on properties adjacent to residential properties shall not exceed 0.3 foot-candle along property lines, or 1.0 foot-candle along non-residential property lines. Parking lot lighting shall be governed by Section 27.11.
- G. Public Road Access. Any use developed or proposed within this district shall have direct access to more than one existing or proposed major thoroughfare having a minimum right-of-way of at least one hundred twenty (120) feet.
- H. Utilities. If possible, all utilities servicing the business structure shall be buried underground.
- I. Covered Trash Areas.
1. Covered trash receptacles, surrounded on three (3) sides by masonry brick-type walls one (1) foot higher than the receptacle shall be provided in the rear yard.
 2. The fourth side of the enclosed trash receptacle area shall be equipped with an opaque lockable gate that is the same height as the masonry brick wall.
 3. The Planning Commission may, at their discretion, waive the requirements for a covered trash receptacle as described herein, if, after considering the nature of the operation being proposed, the Commission determines that the amount of trash generated can be adequately disposed of without use of an outside trash receptacle. *(amended 01.30.86)*
- J. Loading and Unloading.
1. Loading and unloading areas shall be located in the rear or side yard of a non-residential structure.
 2. Loading and unloading areas shall not be located where they will interfere with parking or obstruct ingress or egress.
 3. All loading and unloading areas shall be in conformance with the requirements set forth in Section 27.04.
- K. Performance Guarantee Requirement. The Planning Commission shall require a performance guarantee to be deposited with the Township Clerk in accordance with the provisions set forth in Section 30.09, to ensure that necessary and required improvements proposed on the site plan will be completed. *(amended 08.15.16)*
- L. General. All activities and uses within this District shall conform to the following:

1. Smoke. A person or industry shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three (3) minutes in any one hour which is:
 - a. As dark or darker in shade as that designated as No. 1/2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
 - b. Of such capacity as to obscure an observer's view to a degree equal to or greater than does smoke described in Subsection (a) of this Section.
 - c. At no time may smoke emissions be darker than Ringelmann No. 1.
2. Open Fires. A person or industry shall not burn any combustible refuse in any open outdoor fire within the District.
3. Noxious Gases. No noxious or malodorous gases shall be allowed to escape into the atmosphere in concentrations which are offensive, which produce a public nuisance or hazard on any adjoining lot or property, or which could be detrimental to human, plant or animal life.
4. Air Contaminants. A person or industry shall not discharge from any source whatsoever such quantities of air contaminants or other material, including fly-ash, dust, vapor, or other air pollutants, which could cause injury or harm to health, animals, vegetation, or other property, or which can cause excessive soiling. Dust, dirt, smoke, or fly-ash shall not be in excess of 0.3 grams per cubic foot of flue gas at stack temperature of 500 degrees Fahrenheit and not to exceed fifty percent (50%) excess air.
5. Glare and Heat. Any operation or activity producing glare shall be so conducted that direct and indirect illumination from the source of light shall not cause illumination in excess of one-half (0.5) of one (1) foot-candle when measured at any adjoining residence or business district boundary line. Flickering or intense source of light shall be so controlled as not to cause a nuisance across any lot lines.

If heat is a result of an industrial operation, it shall be so insulated as to not raise the temperature at any property line at any time.
6. Noise. The measurable noise emanating from the premises and as measured at the street or property line, may not exceed sixty (60) decibels as measured on the "C" scale of a sound level meter constructed and calibrated in conformance to the requirements of the American Standards Association. Objectionable noises, due to intermittance, beat frequency or shrillness, shall be muffled so as not to become a nuisance to adjacent uses. Sirens and related apparatus used solely for safety and other public purposes are exempt from this standard.
7. Vibration. Vibrations from industrial operations and vehicular traffic in this district must be controlled to the extent that they cannot be felt past any property line.
8. Radio Transmission. For electronic equipment required in an industrial operation, the equipment shall be so shielded that its operation will not interfere with radio, television or other electronic equipment.
9. Storage of Flammable Materials. Any activity involving the use or storage of flammable or explosive materials shall be protected by adequate fire-fighting and fire suppression equipment and such safety devices as are normally used in the handling of any such material. Such hazards shall be kept removed from adjacent activities to a distance which is compatible with the potential danger involved.
10. Radioactive Materials. No activity shall emit dangerous radioactivity at any point, or unreasonable electrical disturbance adversely affecting the operation at any point of any equipment other than that of the creator of such disturbance.
11. Water Pollution. Pollution of water shall be subject to such requirements and regulations as are established by the Michigan State Department of Health, the Michigan Water Resources Commission, the Oakland County Health Department, and the U.S. Environmental Protection Agency. Such requirements and

regulations shall apply in all cases except when they are less stringent than the following standards in which case the following standards shall apply:

- a. No wastes shall be discharged into the public sewer system which are dangerous to the public health and safety.
 - b. Acidity or alkalinity shall be neutralized to a pH of 7.0 as a daily average on a volumetric basis, with a maximum temporary variation of pH 5.0 to 10.0.
 - c. Wastes shall contain no cyanides and no halogens and shall contain not more than 10 p.p.m. of the following gases: hydrogen sulphite, sulphur dioxide and nitrous oxide.
 - d. Wastes shall not contain any insoluble substance in excess of 10,000 p.p.m. or exceeding a daily average of 500 p.p.m. or fail to pass a No. 8 Standard Sieve, or have a dimension greater than one-half (1/2) inch.
 - e. Wastes shall not have chlorine demand greater than 15 p.p.m.
 - f. Wastes shall not contain phenols in excess of .005 p.p.m.
 - g. Wastes shall not contain any grease or oil or any oil substance in excess of 100 p.p.m. or exceed a daily average of 25 p.p.m.
- M. **Safety Paths.** Construction of safety paths for pedestrian use and use by non-motorized vehicles shall be required in conjunction with the development of all parcels in this zoning district. The safety paths shall conform to the specifications outlined in Section 27.06 and Ordinance No. 97. *(amended 01.05.87, 02.03.03)*
- N. **Tree Preservation Regulations.** The tree permit requirements apply to developments in this District, according to the terms of Section 27.12. *(amended 08.03.00)*
- O. **Wetland Setbacks.** The wetland setback requirements apply to all developments in this District, according to the terms of Section 27.17. *(added 09.17.07)*

Section 19.04 – Area and Bulk Requirements (Applies to Principal and Accessory Uses) *(amended 07.16.18)*

Please see the Matrix Chart in Section 19.01 for variations to these requirements by use.

	IC
Front Yard Setback	100 ft.
Rear Yard Setback	100 ft.
Side Yard Setback	100 ft. on each side
Minimum Parcel Area	400 acres
Maximum Parcel Area	500 acres
Maximum Heights of All Structures	40 ft.
Minimum Clear Space Around Structures	100 ft.

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