

BUILDING FOOTPRINTS

SEMCOG's buildings data layer represents the digital footprint of each building in Southeast Michigan, as of April 2010, along with associated attributes of each building. The building footprints were originally compiled using heads-up digitizing of 2010 aerial photography, and then attributed with additional information on their location and physical characteristics using a variety of sources. The SEMCOG buildings data model is detailed below:

BUILDING_ID (Long Integer)

Unique identifier for each building footprint.

PARCEL_ID (Long Integer)

Numeric code of the land parcel on which the building is located.

BUILD_TYPE (Integer)

Building type classification. Please see page two for a detailed description of the types.

CITY_ID (Integer)

SEMCOG code identifying the municipality, or in the case of Detroit, master plan neighborhood, in which the building is located.

APN (Text, 24)

Tax assessing parcel number of the land parcel on which the building is located.

RES_SQFT (Long Integer)

Square footage devoted to residential use.

NONRES_SQFT (Long Integer)

Square footage devoted to nonresidential activity.

YEAR_BUILT (Integer)

Year structure was originally built. A value of 0 indicates the year built is unknown.

YEAR_DEMO (Integer)

Year structure was demolished. Buildings existing in 2010 but subsequently demolished are maintained in the file. A value of 0 indicates the building still exists.

HOUSING_UNITS (Integer)

Number of residential housing units in the building.

HAS_CONDOS (Integer)

Number of condo units in the building, if any.

STORIES (Float 5.2)

Number of stories. For single-family residential this number is expressed in quarter fractions from 1 to 3 stories: 1.00, 1.25, 1.50, etc.

MEDIAN_HEIGHT (Integer)

Median height in feet from 2008 LiDAR data.

CONDITION (Integer)

Condition of the structure. Please see page three for a description of building conditions.

FLAG_SQFT, FLAG_YEAR_BUILT, FLAG_CONDITION (All Integer) Flags indicating sources of information. Please see page 3 for a list of data sources.

LOADD1, HIADD1 (Long Integer), **STREET1** (Text, 32)

The low address number, high address number, and street name of the street address range of the building. A value of 0 in **HIADD1** indicates the building has a single address on that street instead of a range.

LOADD2, HIADD2 (Long Integer), **STREET2** (Text, 32)

The low address number, high address number, and street name of the second street address range of the building. NULL values indicate the building does not have a second street address.

ZIPCODE (Text, 5)

The postal code in which the building is located.

AKA (Text, 40)

Alternate name of the structure, if any.

USE_LOCATOR (Integer)

A flag indicating whether SEMCOG uses the building in its address locators. A value of 0 indicates we use the building, while values of 1 and 999 indicate we do not.

BUILDING TYPES

SEMCOG’s 27 building types are based, to the extent possible, on the 2012 North American Industrial Classification System (NAICS). This system classifies building establishments based on their economic activity, is widely accepted by the planning community, and is used by SEMCOG in developing long range socioeconomic forecasts. More information on NAICS, including descriptions of the economic activity sectors, can be found at the [Census Bureau’s NAICS web site](#). There are also residential building types included, which assist SEMCOG in tracking residential development over time. A description of SEMCOG building types, including the **BUILD_TYPE** code and label, and the relevant NAICS codes for that type, follows:

<p>11 - Educational Schools and other buildings involved in educational instruction. Includes secondary, post-secondary, trade, and technical education. NAICS: 61</p>	<p>12 – Cultural & Museum Museums, libraries and buildings located at historical sites, zoos, botanical gardens, nature parks and similar institutions. NAICS: 712; 51912</p>	<p>13 – Religious Buildings used for religious services or other related activities, other than any structures used for residential purposes such as convents. NAICS: 8131</p>
<p>14 – Governmental Government or public administration offices, including those serving public safety functions like fire stations, courthouses and jails. NAICS: 92</p>	<p>21 – Retail Trade Buildings containing retail trade or personal services establishments, except automotive services. NAICS: 44-45 ex. 441 & 447; 8112-8129 ex. 81293</p>	<p>22 – Automotive Services Any buildings whose business purpose is to provide auto services, including gas stations, auto repair, dealerships and car washes. NAICS: 441; 447; 8111</p>
<p>23 – Office Building Office buildings home to a wide range of professional, support, and administrative services. NAICS: 51 ex. 51213 & 51912; 53-55; 561; 8132-8139</p>	<p>24 – Financial Services Banks, credit unions, insurance companies and any other buildings primarily occupied by financial services companies. NAICS: 52</p>	<p>25 – Accommodations Hotel, motels and other buildings that provide lodging services. Also includes student and religious group living quarters. NAICS: 721</p>
<p>26 – Eating and Drinking Restaurants and other eating places, bars and drinking establishments, and buildings home to food service industries. NAICS: 722</p>	<p>31 – Manufacturing Buildings such as factories that produce durable or non-durable consumer goods for sale, includes auto plants and suppliers. NAICS: 31-33</p>	<p>32 – Wholesale Trade Distribution centers and other buildings involved in wholesale trade business activity. Most often not open to the public. NAICS: 42</p>

BUILDING TYPES ... continued

33 – Storage Building

All buildings used for warehousing and storage. Self-storage facilities are included in this category.

NAICS: 493

41 – Transportation & Utility

Buildings serving the air, ground, and rail transportation industries, utility buildings and structures at waste management facilities.

NAICS: 22; 48; 562

42 – Delivery Services

United States Postal Service buildings, as well as those of private shipping companies and courier and messenger services.

NAICS: 491-492

43 – Parking Structure

Enclosed parking garages and structures, both with or without additional business establishments located therein.

NAICS: 81293

51 – Health & Social Care

Ambulatory health care buildings, medical labs, and buildings providing day care and other social assistance services.

NAICS: 621; 624

52 – Hospital

General medical hospitals, surgical centers, and specialty psychiatric and substance abuse hospitals.

NAICS: 622

53 – Nursing & Resident Care

Skilled nursing homes, long term mental health and substance abuse facilities and elderly assisted living communities.

NAICS: 623

61 – Theater & Arena

Theaters, arenas, and any other buildings home to the performing arts, spectator sports, and the management of these activities.

NAICS: 711

62 – Amusement Recreation

Casinos, bowling centers, physical fitness facilities, movie theaters and other buildings supporting indoor and outdoor recreation activities.

NAICS: 713; 51213

71 – Agricultural

Buildings home to businesses engaged in agricultural, forestry, hunting and fishing, mining, or extraction activities.

NAICS: 11-21

81 – Single-Family Housing

A single-family home containing one housing unit, or subdivided into two units that cannot be separately owned such as a traditional duplex.

NAICS: n/a

82 - Attached Condo Building

Residential buildings containing two or more housing units that can be individually owned and share one or more interior walls.

NAICS: n/a

83 – Multi-Family Apartment

A residential structure that contains three or more rental housing units that cannot be individually owned. Includes cooperative buildings.

NAICS: n/a

84 – Mobile Home

A housing unit that is pre-built in a factory, permanently attached to a chassis, and is capable of being moved.

NAICS: n/a

99 – Accessory Structure

A garage, barn, shed, or other permanent structure in excess of 250 square feet, that is not used for housing or business activities.

NAICS: n/a

BUILDING CONDITION

- 0 = Unknown Condition
- 1 = Good Condition, no obvious repairs are needed.
- 2 = Fair Condition, in need of minor repairs only.
- 3 = Poor Condition, in need of major repairs.
- 4 = Bad Condition, no longer structurally sound.

Most buildings outside the City of Detroit do not have a building condition assigned yet.

Last updated on November 10, 2015.

DATA SOURCE FLAGS

- 0 = Local Tax Assessing Data
- 1 = Imputed from Building Geometry
- 2 = Data Driven Detroit 2009 Residential Survey
- 3 = Wayne State University
- 4 = Detroit Public Schools
- 5 = Oakland County Facilities Management
- 6 = University of Michigan
- 7 = Detroit Blight Removal Task Force 2013 Survey
- 8 = University of Detroit-Mercy
- 9 = SEMCOG Development Monitoring
- 10 = Eastern Michigan University
- 11 = Public Comment