

Table R301.2(5)
Michigan Ground Snow Loads by Jurisdiction

County	Ground Snow Load	Jurisdictions
ALCONA	50	All
ALGER	70	All
ALLEGAN	50	All except:
	35	CITY OF ALLEGAN CITY OF OTSEGO CITY OF PLAINWELL CITY OF WAYLAND VILLAGE OF HOPKINS VILLAGE OF MARTIN TOWNSHIP OF ALLEGAN TOWNSHIP OF DORR TOWNSHIP OF GUN PLAIN TOWNSHIP OF HOPKINS TOWNSHIP OF LEIGHTON TOWNSHIP OF MARTIN TOWNSHIP OF MONTEREY TOWNSHIP OF OTSEGO TOWNSHIP OF SALEM TOWNSHIP OF TROWBRIDGE TOWNSHIP OF WATSON TOWNSHIP OF WAYLAND
ALPENA	50	All
ANTRIM	60	All except
	70	TOWNSHIP OF BANKS TOWNSHIP OF CENTRAL LAKE TOWNSHIP OF ECHO TOWNSHIP OF JORDAN TOWNSHIP OF WARNER
ARENAC	40	All
BARAGA	70	All
BARRY	35	All except:
	30	VILLAGE OF NASHVILLE TOWNSHIP OF ASSYRIA TOWNSHIP OF BARRY TOWNSHIP OF JOHNSTOWN TOWNSHIP OF MAPLE

		GROVE
BAY	35	All except:
	40	CITY OF PINCONNING TOWNSHIP OF FRASER TOWNSHIP OF GARFIELD TOWNSHIP OF GIBSON TOWNSHIP OF MT. FOREST TOWNSHIP OF PINCONNING
BENZIE	60	All
BERRIEN	50	All
BRANCH	25	All except:
	20	TOWNSHIP OF ALGANSEE TOWNSHIP OF CALIFORNIA TOWNSHIP OF GILEAD TOWNSHIP OF KINDERHOOK TOWNSHIP OF OVID
CALHOUN	25	All except:
	30	CITY OF BATTLE CREEK CITY OF MARSHALL CITY OF SPRINGFIELD VILLAGE OF ATHENS TOWNSHIP OF ATHENS TOWNSHIP OF BATTLE CREEK TOWNSHIP OF BEDFORD TOWNSHIP OF CONVIS TOWNSHIP OF EMMET TOWNSHIP OF LEE TOWNSHIP OF LEROY TOWNSHIP OF MARENGO TOWNSHIP OF MARSHALL TOWNSHIP OF NEWTON TOWNSHIP OF PENNFIELD
CASS	30	All except:
	50	CITY OF DOWAGIAC VILLAGE OF CASSOPOLIS

		VILLAGE OF EDWARDSBURG TOWNSHIP OF HOWARD TOWNSHIP OF LA GRANGE TOWNSHIP OF MILTON TOWNSHIP OF POKAGON TOWNSHIP OF SILVER CREEK TOWNSHIP OF WAYNE
CHARLEVOIX	70	All
CHEBOYGAN	70	All except:
	60	CITY OF CHEBOYGAN VILLAGE OF AFTON VILLAGE OF WOLVERINE TOWNSHIP OF ALOHA TOWNSHIP OF BENTON TOWNSHIP OF ELLIS TOWNSHIP OF GRANT TOWNSHIP OF KOEHLER TOWNSHIP OF NUNDA TOWNSHIP OF WALKER TOWNSHIP OF WAVERLY TOWNSHIP OF WILMOT
	50	TOWNSHIP OF FOREST
CHIPPEWA	70	All except:
	60	VILLAGE OF DE TOUR TOWNSHIP OF DETOUR TOWNSHIP OF RABER
CLARE	40	All except:
	50	TOWNSHIP OF SUMMERFIELD TOWNSHIP OF WINTERFIELD
CLINTON	30	All except:
	35	CITY OF ST. JOHNS VILLAGE OF FOWLER

		VILLAGE OF MAPLE RAPIDS VILLAGE OF WESTPHALIA TOWNSHIP OF BENGAL TOWNSHIP OF DALLAS TOWNSHIP OF ESSEX TOWNSHIP OF GREENBUSH TOWNSHIP OF LEBANON TOWNSHIP OF WESTPHALIA
CRAWFORD	50	All
DELTA	60	All except:
	70	TOWNSHIP OF GARDEN TOWNSHIP OF MASONVILLE TOWNSHIP OF NAHMA
DICKINSON	60	All
EATON	30	All except:
	35	VILLAGE OF MULLIKEN VILLAGE OF SUNFIELD TOWNSHIP OF SUNFIELD
EMMET	70	All
GENESEE	30	All except:
	25	CITY OF DAVISON CITY OF FENTON CITY OF GRAND BLANC CITY OF LINDEN VILLAGE OF GAINES VILLAGE OF GOODRICH TOWNSHIP OF ARGENTINE TOWNSHIP OF ATLAS TOWNSHIP OF DAVISON TOWNSHIP OF FENTON TOWNSHIP OF GRAND BLANC TOWNSHIP OF MUNDY
GLADWIN	40	All
GOGEBIC	60	All
GRAND TRAVERSE	60	All
GRATIOT	35	All

HILLSDALE	20	All except:
	25	CITY OF LITCHFIELD TOWNSHIP OF LITCHFIELD TOWNSHIP OF SCIPIO
HOUGHTON	80	All except:
	70	TOWNSHIP OF ADAMS TOWNSHIP OF CHASSELL TOWNSHIP OF DUNCAN TOWNSHIP OF ELM RIVER TOWNSHIP OF LAIRD TOWNSHIP OF PORTAGE
	90	VILLAGE OF CALUMET VILLAGE OF COPPER CITY VILLAGE OF LAKE LINDEN VILLAGE OF LAURIUM TOWNSHIP OF CALUMET TOWNSHIP OF SCHOOLCRAFT
HURON	35	All
INGHAM	25	All except:
	30	CITY OF EAST LANSING CITY OF LANSING CITY OF MASON TOWNSHIP OF ALAIEDON TOWNSHIP OF AURELIUS TOWNSHIP OF DELHI TOWNSHIP OF LANSING TOWNSHIP OF MERIDIAN TOWNSHIP OF WILLIAMSTOWN
IONIA	35	All
IOSCO	40	All
IRON	60	All
ISABELLA	40	All except:
	35	VILLAGE OF SHEPHERD TOWNSHIP OF CHIPPEWA TOWNSHIP OF COE

		TOWNSHIP OF FREMONT TOWNSHIP OF LINCOLN TOWNSHIP OF UNION
JACKSON	25	All except:
	20	VILLAGE OF BROOKLYN TOWNSHIP OF COLUMBIA TOWNSHIP OF NORVELL
KALAMAZOO	30	All except:
	35	CITY OF PARCHMENT TOWNSHIP OF ALAMO TOWNSHIP OF COOPER TOWNSHIP OF OSHTEMO
KALKASKA	60	All
KENT	35	All except:
	40	CITY OF CEDAR SPRINGS VILLAGE OF CASNOVIA VILLAGE OF KENT CITY VILLAGE OF SAND LAKE VILLAGE OF SPARTA TOWNSHIP OF NELSON TOWNSHIP OF SOLON TOWNSHIP OF SPARTA TOWNSHIP OF TYRONE
KEWEENAW	90	All except:
	100	TOWNSHIP OF EAGLE HARBOR TOWNSHIP OF GRANT TOWNSHIP OF HOUGHTON
LAKE	60	All except:
	50	TOWNSHIP OF CHASE TOWNSHIP OF CHERRY VALLEY TOWNSHIP OF ELLSWORTH TOWNSHIP OF PINORA TOWNSHIP OF PLEASANT PLAINS TOWNSHIP OF YATES
LAPEER	25	All except:
	30	VILLAGE OF CLIFFORD VILLAGE OF

		COLUMBIAVILLE VILLAGE OF NORTH BRANCH VILLAGE OF OTTER LAKE TOWNSHIP OF BURLINGTON TOWNSHIP OF BURNSIDE TOWNSHIP OF DEERFIELD TOWNSHIP OF MARATHON TOWNSHIP OF NORTH BRANCH TOWNSHIP OF OREGON TOWNSHIP OF RICH
LEELANAU	60	All
LENAWEE	20	All
LIVINGSTON	25	All
LUCE	70	All
MACKINAC	60	All except:
	70	TOWNSHIP OF NEWTON TOWNSHIP OF PORTAGE
MACOMB	25	All
MANISTEE	60	All
MARQUETTE	70	All except:
	60	TOWNSHIP OF EWING TOWNSHIP OF WELLS TOWNSHIP OF REPUBLIC
MASON	60	All
MECOSTA	40	All
MENOMINEE	60	All
MIDLAND	35	All except:
	40	CITY OF COLEMAN VILLAGE OF SANFORD TOWNSHIP OF EDENVILLE TOWNSHIP OF GENEVA TOWNSHIP OF HOPE TOWNSHIP OF MILLS TOWNSHIP OF WARREN
MISSAUKEE	50	All except:

	60	TOWNSHIP OF BLOOMFIELD TOWNSHIP OF CALDWELL TOWNSHIP OF PIONEER
MONROE	20	All
MONTCALM	35	All except:
	40	VILLAGE OF HOWARD CITY VILLAGE OF LAKEVIEW VILLAGE OF PIERSON TOWNSHIP OF CATO TOWNSHIP OF MAPLE VALLEY TOWNSHIP OF PIERSON TOWNSHIP OF REYNOLDS TOWNSHIP OF WINFIELD
MONTMORENCY	50	All
MUSKEGON	40	All except
	50	TOWNSHIP OF HOLTON TOWNSHIP OF BLUE LAKE
	60	CITY OF MONTAGUE CITY OF MUSKEGON CITY OF MUSKEGON HEIGHTS CITY OF NORTH MUSKEGON CITY OF NORTON SHORES CITY OF ROOSEVELT PARK CITY OF WHITEHALL TOWNSHIP OF DALTON TOWNSHIP OF FRUITLAND TOWNSHIP OF FRUITPORT TOWNSHIP OF LAKETON TOWNSHIP OF MONTAGUE TOWNSHIP OF MUSKEGON TOWNSHIP OF SULLIVAN TOWNSHIP OF WHITEHALL TOWNSHIP OF WHITE RIVER VILLAGE OF FRUITPORT VILLAGE OF LAKEWOOD CLUB
NEWAYGO	40	All except:
	50	VILLAGE OF HESPERIA TOWNSHIP OF BARTON TOWNSHIP OF BEAVER TOWNSHIP OF DENVER

		TOWNSHIP OF HOME TOWNSHIP OF LILLEY TOWNSHIP OF MERRILL TOWNSHIP OF TROY
OAKLAND	25	All
OCEANA	60	All except
	50	VILLAGE OF HESPERIA VILLAGE OF WALKERVILLE TOWNSHIP OF COLFAX TOWNSHIP OF CRYSTAL TOWNSHIP OF ELBRIDGE TOWNSHIP OF FERRY TOWNSHIP OF GREENWOOD TOWNSHIP OF LEAVITT TOWNSHIP OF NEWFIELD TOWNSHIP OF OTTO
OGEMAW	40	All except
	50	CITY OF ROSE CITY TOWNSHIP OF CUMMINGS TOWNSHIP OF FOSTER TOWNSHIP OF GOODAR TOWNSHIP OF HILL TOWNSHIP OF KLACKING TOWNSHIP OF OGEMAW TOWNSHIP OF ROSE
ONTONAGON	70	All except:
	60	TOWNSHIP OF HAIGHT TOWNSHIP OF INTERIOR TOWNSHIP OF MCMILLAN
OSCEOLA	50	All except:
	40	CITY OF EVART VILLAGE OF HERSEY TOWNSHIP OF EVART TOWNSHIP OF HERSEY TOWNSHIP OF ORIENT TOWNSHIP OF OSCEOLA TOWNSHIP OF SYLVAN
OSCODA	50	All

OTSEGO	50	All except:
	60	VILLAGE OF ELMIRA VILLAGE OF VANDERBILT TOWNSHIP OF CORWITH TOWNSHIP OF ELMIRA TOWNSHIP OF HAYES TOWNSHIP OF LIVINGSTON
OTTAWA	50	All except:
	35	TOWNSHIP OF GEORGETOWN TOWNSHIP OF JAMESTOWN TOWNSHIP OF TALLMADGE TOWNSHIP OF ZEELAND
	40	CITY OF COOPERSVILLE TOWNSHIP OF ALLENDALE TOWNSHIP OF BLENDON TOWNSHIP OF CHESTER TOWNSHIP OF POLKTON TOWNSHIP OF WRIGHT
PRESQUE ISLE	50	All except
	60	TOWNSHIP OF BEARINGER
ROSCOMMON	50	All except
	40	TOWNSHIP OF NESTER
SAGINAW	35	All except:
	30	CITY OF FRANKENMUTH VILLAGE OF BIRCH RUN VILLAGE OF CHESANING VILLAGE OF OAKLEY TOWNSHIP OF ALBEE TOWNSHIP OF BIRCH RUN TOWNSHIP OF BRADY TOWNSHIP OF BRIDGEPORT TOWNSHIP OF CHAPIN TOWNSHIP OF CHESANING TOWNSHIP OF FRANKENMUTH TOWNSHIP OF MAPLE

		GROVE TOWNSHIP OF ST.CHARLES TOWNSHIP OF TAYMOUTH
SANILAC	30	All except:
	25	VILLAGE OF MELVIN TOWNSHIP OF FREMONT TOWNSHIP OF WORTH
	35	VILLAGE OF MINDEN CITY TOWNSHIP OF AUSTIN TOWNSHIP OF GREENLEAF TOWNSHIP OF MINDEN
SCHOOLCRAFT	70	All
SHIAWASSEE	30	All except:
	25	VILLAGE OF BYRON TOWNSHIP OF BURNS
ST. CLAIR	25	All
ST. JOSEPH	30	All except:
	25	CITY OF STURGIS VILLAGE OF BURR OAK VILLAGE OF COLON VILLAGE OF WHITE PIGEON TOWNSHIP OF BURR OAK TOWNSHIP OF COLON TOWNSHIP OF FAWN RIVER TOWNSHIP OF SHERMAN TOWNSHIP OF STURGIS TOWNSHIP OF WHITE PIGEON
TUSCOLA	30	All except:
	35	VILLAGE OF CARO VILLAGE OF CASS CITY VILLAGE OF FAIRGROVE VILLAGE OF GAGETOWN VILLAGE OF REESE VILLAGE OF UNIONVILLE TOWNSHIP OF AKRON TOWNSHIP OF ALMER TOWNSHIP OF COLUMBIA

		TOWNSHIP OF ELKLAND TOWNSHIP OF ELMWOOD TOWNSHIP OF FAIRGROVE TOWNSHIP OF GILFORD TOWNSHIP OF WISNER
VAN BUREN	50	All except:
	30	TOWNSHIP OF PORTER
	35	CITY OF GOBLES VILLAGE OF DECATUR VILLAGE OF LAWTON VILLAGE OF MATTAWAN VILLAGE OF PAW PAW TOWNSHIP OF ALMENA TOWNSHIP OF ANTWERP TOWNSHIP OF BLOOMINGDALE TOWNSHIP OF DECATUR TOWNSHIP OF PAW PAW TOWNSHIP OF PINE GROVE TOWNSHIP OF WAVERLY
WASHTENAW	25	All except:
	20	CITY OF ANN ARBOR CITY OF SALINE CITY OF YPSILANTI VILLAGE OF MANCHESTER TOWNSHIP OF AUGUSTA TOWNSHIP OF BRIDGEWATER TOWNSHIP OF LODI TOWNSHIP OF MANCHESTER TOWNSHIP OF PITTSFIELD TOWNSHIP OF SALINE TOWNSHIP OF SUPERIOR TOWNSHIP OF YORK TOWNSHIP OF YPSILANTI
WAYNE	20	All except

	25	Northville
WEXFORD	60	All except
	50	TOWNSHIP OF CLAM LAKE

R 408.30516 Design criteria.

Rule 516. Table R301.2(1) of the code is amended and figures R301.2(7) and R301.2(8) are added to the code to read as follows:

TABLE R 301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Ground Snow Load	Wind Speed ^d (mph)	Seismic Design Category ^f	Subject to Damage From			Winter Design Temp ^e	Ice Barrier Underlay-ment Required ^h	Flood Hazards ^g	Air Freezing Index ⁱ	Mean Annual Temp ^j
			Weathering ^a	Frostline depth ^b	Termite ^c					
Table R301.2(5)	90	See Sec.R301.2 .2.1 & Figure R301.2(2)	Severe	42" See Note b	Figure R301.2(6)	See Note e	Yes	See Note g	Figure R403.3(2)	See footnote J

For SI: 1 pound per square foot = 0.0479 kN/m², 1 mile per hour = 1.609 km/h.

(a) Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index (i.e., “negligible”, “moderate” or “severe”) for concrete as determined from the weathering probability map [figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652 as listed in chapter 44.

(b) The frost line depth may be modified as provided in section R403.1.4 of the code.

(c) The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local damage.

(d) The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [figure R301.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with section R301.2.1.4 of the code.

(e) The winter design temperature criteria shall be taken from appendix D of the Michigan plumbing code, R 408.30701 to R 408.30796.

(f) Design category determined from section R301.2.2.1 of the code.

(g) The jurisdiction shall fill in this part of the table with both of the following:

(i) The date of the jurisdiction’s entry into the national flood insurance program (date of adoption of the first code or ordinance for management of flood hazard areas).

(ii) The date(s) of the currently effective FIRM and FBFM or other flood hazard map adopted by the community, as may be amended. Absent (i) or (ii), flood hazard areas as determined by the state under its administration of the Part 31, floodplain regulatory authority of the natural resources and environmental protection act, 1994 PA 451, MCL 324.101 to 324.90106, shall become the basis for regulation of floodplain development within the community and section R324 of the code shall apply to buildings and structures within those areas.

(h) In accordance with sections R905.2.7.1, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1 of the code, for areas where the average daily temperature in January is 25 degrees Fahrenheit (-4 degrees Celsius) or less, or where there has been a history of local