

AURELIUS TOWNSHIP
1939 S. Aurelius Road · Mason, Michigan 48854-9729
(517) 628-2093 · Fax (517) 628-3989 · www.aureliustwp.org

PROCEDURES TO BE FOLLOWED TO SECURE A BUILDING PERMIT:

- Step 1. Apply for and secure a **PERMIT TO INSTALL WATER SUPPLY WELL AND/OR ON-SITE SEWAGE TREATMENT SYSTEM** from the Ingham County Health Department, 5303 S. Cedar Street, Lansing, MI 48910, phone (517) 887-4312

Apply for and secure an approved **DRIVEWAY PERMIT** and a **CULVERT PERMIT** from the Ingham County Road Department, 301 Bush Street, Mason, MI 48854, phone (517) 676-9722.

Apply for and secure a **SOIL EROSION WAIVER** from the Ingham County Drain Commissioner's office. Enclosed form can be returned by e-mail to jllynn@ingham.org or by mail to P.O. Box 2020, 707 Buhl Street, Mason, MI 48854.

Contact Township office for **HOUSE NUMBER** information. The Building Permit will not be issued until you have a house number.

- Step 2. **SITE ADDRESS** and **LOT NUMBER** (if applicable) shall be posted on a wood board, 24 x 24 inches, at the front edge of the site before site inspection can be completed. **STAKE OUT THE BUILDING ON THE LOT** for site inspection.

- Step 3. Present the following to the Township office:

1. A copy of the **legal description** of the lot and **proof of purchase** of land
2. A **set of building plans** for approval
3. A **site plan for building** in order to be approved by the zoning administrator
4. A **culvert permit and receipt for payment** from Ingham County Road Commission
5. A **PERMIT TO INSTALL WATER SUPPLY WELL AND/OR ON-SITE SEWAGE TREATMENT SYSTEM** from the Ingham County Health Department
6. A **building information and assessing worksheet** (included in this packet)
7. A **signed building permit application addendum** (included in this packet)
8. A **signed property line verification form** (included in this packet)
9. **Final approval from the Ingham County Health Department** for well & septic
10. Copy of the **builder's license**.

- Step 4. When all the above have been satisfactorily completed, a building permit may be secured at the Aurelius Township Hall, 1939 S. Aurelius Road, Mason, between 10 a.m. and 3 p.m., Tuesday through Friday. Charges will be made as follows:

\$.30 per square foot as determined by the building inspector
(\$100 minimum fee)
Garage attached or detached \$150
Barn \$150

- Step 5. A permit, which is also your receipt, should be prominently displayed at the site for the use of the Building Inspector. All inspections will be strictly enforced.

A \$50 FEE WILL BE CHARGED IF YOU ASK FOR AN INSPECTION AND YOU ARE NOT READY!

If you have questions about filling out any forms or completing the process, call our office at 517-628-2093.

Revised 9-2-21

**BUILDING PERMIT
LOT AND DWELLING STANDARDS**

1. **MINIMUM LOT AREA:** No building or structure shall be established on any parcel less than two (2) acres in area.
2. **MINIMUM LOT WIDTH:** The minimum lot width shall be one hundred and sixty five (165) feet having principal frontage on a street.
3. **MAXIMUM LOT COVERAGE:** The maximum lot coverage shall not exceed twenty-five (25) percent.
4. **YARD AND SETBACK REQUIREMENTS:**
 - i. **Front Yard:** Eighty-three (83) feet from the centerline of a public street or roadway.
 - ii. **Side Yard:** Twenty (20) feet except in the case of a corner lot where the side yard on a public street side shall not be less than the setback required for the front yard.
 - iii. **Rear Yard:** Thirty-five (35) feet.
 - iv. In any case, no structure housing livestock, or for storage of feed or manure shall be located any closer than 50 feet to a lot line.

DWELLING STANDARDS: Any building, mobile home, pre-manufactured unit or single titled unit which is designed and used exclusively for residential purposes and placed on private property must meet the following standards:

1. **MAXIMUM HEIGHT REQUIREMENTS:**
 - a. For dwelling and non-farm structures, height shall not exceed thirty-five (35) feet
 - b. For general and specialized farm buildings and structures, height shall not exceed ninety-five (95) feet.
2. **MINIMUM BUILDING FLOOR AREA:**
 - a. No residential dwelling unit shall have less than one thousand (1000) square feet of floor area, exclusive of garages or basements.
3. **ROOF PITCH AND OVERHANG:**
 - a. Minimum roof pitch of 4/12.
 - b. Minimum overhang of twelve (12) inches.
4. **REMOVAL DEVICES:**
 - a. **Wheels, blocks, skids, jacks, undercarriages, or towing mechanism must be removed or otherwise concealed from view by skirting.**
5. **FOUNDATIONS:**
 - a. All structures shall be placed and secured on a permanent forty-two (42) inch frost free foundation. All anchorage devices shall cover an area not less than the perimeter of the structure and be constructed in accordance with applicable building code regulations.
6. **MINIMUM BUILDING FLOOR AREA:** No residential dwelling unit shall have less than one thousand (1000) square feet of floor area, exclusive of garages or basements. (ord. no 11 rev. eff. July 20, 1980: amend. By ord. No. 19 eff. August 19, 1981 further amend. May, 1984: amend. eff. March 2, 1994).

BUILDING PERMITS INFORMATION ONLY – NOT ALL INCLUSIVE

Address numbers and the building permit must be posted on the property and visible from the road before any excavation or construction is started. If not posted, the inspection will not be completed, and a re-inspection fee will be charged.

PLAN REVIEW – Full set of prints with details from the footings up to the roof.

- * Footing, foundation and backfill height
- * Floor Joist type and size – beam detail
- * Exterior wall detail
- * Roof detail
- * Energy code compliance (example: res-check)

INSPECTIONS

- * Footings to be completed before concrete is poured but after all forms are up and trenching is done. Interior jack post forms must also be ready.
- * Backfill inspection – after damp proofing, drain tile, pea stone and fabric is installed. No backfill.
- * Frame Inspection – after all trade inspections are completed and approved but before any insulation is installed. All fire blocking must be completed. Truss spec sheets must be on the job site.
- * Insulation Inspection
- * Blower Door Test
- * Final Inspection – after all trade inspections are completed and approved.

Things to be aware of for a FINAL:

- Insulation in the attic will be inspected. A ladder must be on the job site and the access to the attic uncovered. Markers in the attic shall be provided every 300 sq. ft.
- All steps, handrails, and guardrails must be in place and meet code requirements. Handrails must be “graspable” per code. A flat 2 x 6 or 4 does not meet code.
- All footing deck holes shall be inspected before footings are poured.
- Risers are measured from the top of the threshold.
- Address numbers must be posted on the dwelling.
- Sidewalks to be installed where required.
- Grading to be completed and must slope away from the foundation.

* Any certificates required for the energy code (i.e. HERS) will be submitted before the final inspection is completed.

AURELIUS TOWNSHIP**517-628-2093****APPLICATION FOR PLAN EXAMINATION AND BUILDING PERMIT**

All permit applications must be accompanied by detailed construction and site plans. Multi-Family and all Commercial plans must be signed and sealed by a State of Michigan, Registered Architect, or Engineer.

APPLICANT TO COMPLETE PAGES 1 THROUGH 3

| I. LOCATION OF BUILDING | | | | |
|--|--|--|-------------------------------------|-----------------------------------|
| STREET ADDRESS OF CONSTRUCTION: | | | | |
| CITY | ZIP | AURELIUS TOWNSHIP | INGHAM COUNTY | |
| II. IDENTIFICATION | | | | |
| A. OWNER OR LESSEE | | | | |
| NAME | | ADDRESS | | |
| CITY | STATE | ZIP | PHONE | |
| EMAIL ADDRESS | | | | |
| B. ARCHITECT OR ENGINEER | | | | |
| NAME | | ADDRESS | | |
| CITY | STATE | ZIP | PHONE | |
| LICENSE NUMBER | | EXPIRATION DATE | | |
| C. CONTRACTOR | | | | |
| NAME | | ADDRESS | | |
| CITY | STATE | ZIP | PHONE | |
| FAX NUMBER | | EMAIL ADDRESS | | |
| LICENSE NUMBER | | EXPIRATION DATE | | |
| FEDERAL EMPLOYER ID NO OR REASON FOR EXEMPTION | | | | |
| WORKERS COMP INSURANCE CARRIER OR REASON FOR EXEMPTION | | | | |
| MESC EMPLOYER NO OR REASON FOR EXEMPTION | | | | |
| III. TYPE OF IMPROVEMENT | | | | |
| A. DESCRIBE IMPROVEMENT | | | | |
| <input type="checkbox"/> New building | <input type="checkbox"/> Addition | <input type="checkbox"/> Alteration | <input type="checkbox"/> Repair | <input type="checkbox"/> Wrecking |
| <input type="checkbox"/> Mobile Home | <input type="checkbox"/> Foundation only | <input type="checkbox"/> Pre-manufacture | <input type="checkbox"/> Relocation | <input type="checkbox"/> Fence |
| <input type="checkbox"/> Pool | <input type="checkbox"/> Shed | <input type="checkbox"/> Deck | <input type="checkbox"/> Other | |

| | | | | |
|---|------------------------------|---|-------------------------------|--|
| IV. PROPOSED USE OF BUILDING | | | | |
| A. RESIDENTIAL | | | | |
| <input type="checkbox"/> One Family <input type="checkbox"/> Two or More Family No. Of units _____ | | <input type="checkbox"/> Hotel, Motel No. Of units _____ <input type="checkbox"/> Other Use _____ | | <input type="checkbox"/> Attached Garage <input type="checkbox"/> Detached Garage |
| B. NON-RESIDENTIAL | | | | |
| <input type="checkbox"/> Amusement <input type="checkbox"/> Parking Garage <input type="checkbox"/> Office, Bank, Professional <input type="checkbox"/> Store, Mercantile | | <input type="checkbox"/> Church, Religious <input type="checkbox"/> Service Station <input type="checkbox"/> Public Utility <input type="checkbox"/> Tanks, Towers | | <input type="checkbox"/> Industrial <input type="checkbox"/> Hospital, Institutional <input type="checkbox"/> School, Library, Educational <input type="checkbox"/> Other _____ |
| NONRESIDENTIAL - Describe in detail proposed use of building, e.g., food processing plant, machine shop, laundry building at hospital, elementary school, secondary school, college, parochial school, parking garage for department store, rental office building, office building at industrial plant. If use of existing is being changed, enter proposed use. | | | | |
| V. SELECTED CHARACTERISTICS | | | | |
| A. PRINCIPAL TYPE OF FRAME | | | | |
| <input type="checkbox"/> Masonry, Wall Bearing <input type="checkbox"/> Reinforced Concrete | | <input type="checkbox"/> Wood Frame <input type="checkbox"/> Structured Steel | | <input type="checkbox"/> Other Type _____ |
| B. PRINCIPAL TYPE OF HEATING FUEL | | | | |
| <input type="checkbox"/> Gas | <input type="checkbox"/> Oil | <input type="checkbox"/> Electricity | <input type="checkbox"/> Coal | <input type="checkbox"/> Other Type _____ |
| C. TYPE OF SEWAGE DISPOSAL | | | | |
| SEWER CONTRACTOR _____ | | <input type="checkbox"/> Public or Private Company <input type="checkbox"/> Septic System | | |
| TYPE OF WATER SUPPLY | | | | |
| WATER CONTRACTOR _____ | | <input type="checkbox"/> Public or Private Company <input type="checkbox"/> Private Well | | |
| E. MECHANICAL | | | | |
| MECHANICAL CONTRACTOR _____ | | | | |
| <input type="checkbox"/> AIR CONDITIONING | | <input type="checkbox"/> ELEVATOR | | |
| F. ELECTRICAL CONTRACTOR _____ | | | | |
| G. PLUMBING CONTRACTOR _____ | | | | |
| H. DIMENSIONS | | | | |
| Total Floor Area (square feet) _____ Floor Area: 1 st & 2 nd floor _____ 3 rd - 10 th floor _____ 11 th - above floor _____ | | Total Land Area (square feet) _____ Number of Stories _____ Total Height _____ | | |
| I. NUMBER OF OFF-STREET PARKING SPACES | | | | |
| Total Spaces Enclosed _____ Total Spaces Per Residential Unit _____ | | Total Spaces Outdoors _____ Handicapped Parking _____ | | |

Zoning Certificate Application

Rear Lot line

Front Lot Line and Road Right of way

| | |
|----------|--------------|
| Name: | Telephone #: |
| Address: | |

NO Structure shall be in front of Principal residence

Setbacks: 20ft off sides, 35ft off back, 10 ft from other structure
165 Ft of Road Frontage

| |
|------------------------------------|
| Dimensions of Structure _____ |
| Use of Structure _____ |
| Total Cost of Improvement \$ _____ |

Office Use only – Do not write in this box

Zoning District _____

Lot Size _____ Lot Use _____

Setbacks: Front _____ Rear _____

Side _____

Building Size: _____

Health Dept Approved

☐ Soil Erosion Waiver

All of the following are required to be shown on the plot plan as they apply to the property

1. North arrow
2. All property lines and dimensions
3. Proposed streets and driveways
4. All existing/proposed building and structure sizes
5. Distance from side and rear property lines to all existing and proposed buildings/structures
6. Distance from the front property line as measured from edge of the roads right of way to all existing and proposed buildings and structure.
7. Distance from the proposed construction to existing building/structures

Approved ☐

Denied ☐

Aurelius Township Zoning Administrator

Date

**AURELIUS TOWNSHIP
1939 S. AURELIUS ROAD
MASON, MI 48854
(517) 628-2093**

Property Line Verification

I certify that the location of the property line is true and correct as identified to the Zoning Administrator.

If the location of the property line is incorrect, I am responsible for identifying the property line and moving the building if necessary.

Signature of property owner

Print name of property owner

Address

City

State

ZIP

Date

Permit # _____

BUILDING PERMIT APPLICATION ADDENDUM

Building Permit No. _____ Parcel No. _____

Contractor's Name _____

Contractor's Address _____ Phone _____

Owner's Name _____

Owner's Address _____ Phone _____

I _____ (owner)

understand that I will not be able to occupy my dwelling until an occupancy permit has been issued. If I do occupy the dwelling without an occupancy permit, I will be subject to:

Upon conviction thereof, be fined not more than Five Hundred (\$500) dollars or imprisoned for not more than ninety (90) days, or both, and in addition shall pay all costs and expenses involved in the case. Each day such violation continues shall be considered a separate offense. (Aurelius Township General & Zoning Ordinances , 15.480, Sec. 605)

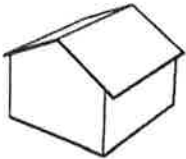
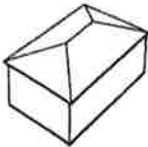
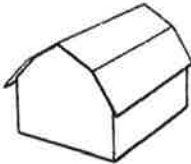
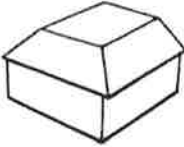
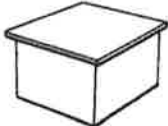
Owner Signature _____ Date _____

Contractor Signature _____ Date _____

**AURELIUS TOWNSHIP
BUILDING INFORMATION AND ASSESSING WORKSHEET**

| | | | | | | | | | | | |
|------------------------|--|-----------|--|---|--|---------------------|--|---|--|----------------------------------|--|
| NAME | | | | DATE | | | | PERMIT NUMBER | | | |
| ADDRESS | | | | | | | | | | | |
| PARCEL NUMBER | | | | PHONE NUMBER | | | | | | | |
| TYPE | | | | 3. ROOF | | | | 10. FLOOR SUPPORT | | | |
| Single Family | | | | Gable | | Gambrel | | Hip | | Joists " X " " O.c | |
| Other | | | | Mansard | | Flat | | | | Unsupported Length Ft | |
| Wood Frame | | | | Eavestrough | | | | Sill Plate Yes No | | | |
| Year Built | | Remodeled | | Asphalt Shingles | | Steel Roof | | Center Support | | | |
| Number of Rooms | | | | Insulation | | Roof Pitch: | | 11. HEATING AND AIR CONDITIONING | | | |
| Basement | | | | Chimney type | | | | Gas | | Oil Electric | |
| 1st Floor | | | | Overhang | | Front/Other | | Size | | Wood Steam Other | |
| 2nd Floor | | | | 4. INTERIOR | | | | Forced Air | | Forced Warm Water | |
| Baths | | | | Drywall | | Plaster | | Paneled | | Heat Pump Air Water | |
| Total Bedrooms | | | | Trim and Decoration | | | | Central Air Conditioning | | | |
| 1. EXTERIOR | | | | Ex-ordinary | | Ordinary | | Minimum | | 12. Electric | |
| Wood, Shingle | | | | Doors | | Solid | | Hardcore | | Amps Service | |
| Aluminum, Vinyl | | | | 5. FLOORS (Indicate Type of Floor) | | | | 13. Plumbing | | | |
| Brick | | | | Kitchen Floor | | Other Floors | | Number baths | | | |
| Block | | | | 6. CEILINGS | | | | Ceramic Tile | | Floor Wainscot | |
| Stone | | | | Drywall | | Plaster | | Tile | | tub alcove exhaust fan extra lav | |
| Insulation | | | | Suspended | | Other | | | | extra stool separate shower | |
| 2. WINDOWS | | | | 7. EXCAVATION | | | | fiberglass bath unit | | jacuzzi | |
| Many | | Large | | Basement sf | | Crawl Space sf | | water softener | | owned leased | |
| Average | | Average | | Slab sf | | Height to joists ft | | water heater | | | |
| Few | | Small | | 8. BASEMENT | | | | gallons | | electric gas | |
| Wood Sash | | | | Block | | Poured | | Wood | | 14. WATER AND SEWER | |
| Metal Sash | | | | 9. BASEMENT FINISH | | | | well | | septic | |
| Vinyl Sash | | | | Wall Finish | | | | mound system | | gallons | |
| Double Hung | | | | Floor Finish | | | | 15. BUILT-IN ITEMS | | | |
| Horizontal Sliding | | | | Ceiling Finish | | | | oven | | range microwave | |
| Casement | | | | Walkout | | | | intercom | | disposal dishwasher | |
| Double Glass | | | | Insulation | | | | cen vacuum | | wood stove compactor | |
| Storms and Screens | | | | | | | | hood/fan vented | | yes no | |
| Patio Doors | | | | | | | | Chimney | | 1 sty. inside | |
| | | | | | | | | | | 2 sty. outside | |
| | | | | | | | | Fireplace | | Foundation Pre-Fab | |
| ESTIMATED COST: | | | | | | | | | | Free Stand Hearth | |

**AURELIUS TOWNSHIP
BUILDING INFORMATION AND ASSESSING WORKSHEET**

| | | | | | |
|--|--|--|---|--|-----|
| | | | | PERMIT # | |
| NAME: | | | | DATE | |
| ADDRESS | | | | PHONE | |
| CITY | | | STATE | | ZIP |
| PARCEL NUMBER | | | | | |
| POLE BARNs | | SHEDs | | EXTERIOR | |
| Size: _____ by _____ | | Size: _____ by _____ | | Wood | |
| Concrete Approach | | Wood Frame | | Aluminum | |
| Finished | | Metal Prefab | | Vinyl | |
| Insulated | | Other | | Other | |
| ROOF | | | | | |
|  |  |  |  |  | |
| GABLE | HIP | GAMBREL | MANSARD | FLAT | |
| | | WINDOWS | SIZE | GARAGE/CARPORT | |
| Eavestrough | | Many | Large | Size _____ by _____ | |
| Asphalt Shingles | | Average | Average | Year Built | |
| Other | | Few | Small | Attached or Separate | |
| Insulation | | Wood Sash | | Doors | |
| Overhang | | Metal Sash | | Automatic Doors | |
| PORCHES/DECKs | | Vinyl Sash | | Common Wall | |
| Width | | Double Hung | | Wall Finish | |
| Depth | | Casement | | Ceiling | |
| Type | | Storms and Screens | | Concrete Approach | |
| Covered? | | Patio Doors | | Size _____ by _____ | |
| PORCHES/DECKs | PORCHES/DECKs | | | SIZE EST COST | |
| Width | | Width | | | |
| Depth | | Depth | | | |
| Type | | Type | | | |
| Covered? | | Covered? | | | |

SECTION 1029 EMERGENCY ESCAPE AND RESCUE

1029.1 General. In addition to the means of egress required by this chapter, provisions shall be made for emergency escape and rescue in group R as applicable in section 101.2, classrooms greater than 250 feet² (23.2 m²) in group E, and group I-1 occupancies. Basements and sleeping rooms below the fourth story above grade plane shall have at least 1 exterior emergency escape and rescue opening in accordance with this section. Where basements contain 1 or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. The opening shall open directly into a public street, public alley, yard, or court.

Exceptions:

1. In other than group R-3 occupancies as applicable in section 101.2, buildings equipped throughout with an approved automatic sprinkler system in accordance with section 903.3.1.1 or 903.3.1.2.
2. In other than group R-3 occupancies as applicable in section 101.2, sleeping rooms provided with a door to a fire-resistance-rated corridor having access to 2 remote exits in opposite directions.
3. The emergency escape and rescue opening may open onto a balcony within an atrium in accordance with the requirements of section 404, provided the balcony provides access to an exit and the dwelling unit or sleeping unit has a means of egress that is not open to the atrium.
4. Basements with a ceiling height of less than 80 inches (2 032 mm) shall not be required to have emergency escape and rescue openings.
5. High-rise buildings in accordance with section 403.
6. Emergency escape and rescue openings are not required from basements, classrooms, or sleeping rooms which have an exit door or exit access door that opens directly into a public street, public alley, yard, egress court, or to an exterior exit balcony that opens to a public street, public alley, yard, or egress court.
7. Basements without habitable spaces and having not more than 200 square feet (18.6 square meters) in floor area shall not be required to have emergency escape and rescue openings.

R408.30421

1029.2 Minimum size. *Emergency escape and rescue openings* shall have a minimum net clear opening of 5.7 square feet (0.53 m²).

Exception: The minimum net clear opening for grade-floor *emergency escape and rescue openings* shall be 5 square feet (0.46 m²).

1029.2.1 Minimum dimensions. The minimum net clear opening height dimension shall be 24 inches (610 mm). The minimum net clear opening width dimension shall be 20 inches (508 mm). The net clear opening dimensions shall be the result of normal operation of the opening.

1029.3 Maximum height from floor. *Emergency escape and rescue openings* shall have the bottom of the clear opening not greater than 44 inches (1118 mm) measured from the floor.

1029.4 Operational constraints. *Emergency escape and rescue openings* shall be operational from the inside of the room without the use of keys or tools. Bars, grilles, grates or similar devices are permitted to be placed over *emergency escape and rescue openings* provided the minimum net clear opening size complies with Section 1029.2 and such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the escape and rescue opening. Where such bars, grilles, grates or similar devices are installed in existing buildings, *smoke alarms* shall be installed in accordance with Section 907.2.11 regardless of the valuation of the *alteration*.

1029.5 Window wells. An *emergency escape and rescue opening* with a finished sill height below the adjacent ground level shall be provided with a window well in accordance with Sections 1029.5.1 and 1029.5.2.

1029.5.1 Minimum size. The minimum horizontal area of the window well shall be 9 square feet (0.84 m²), with a minimum dimension of 36 inches (914 mm). The area of the window well shall allow the *emergency escape and rescue openings* to be fully opened.

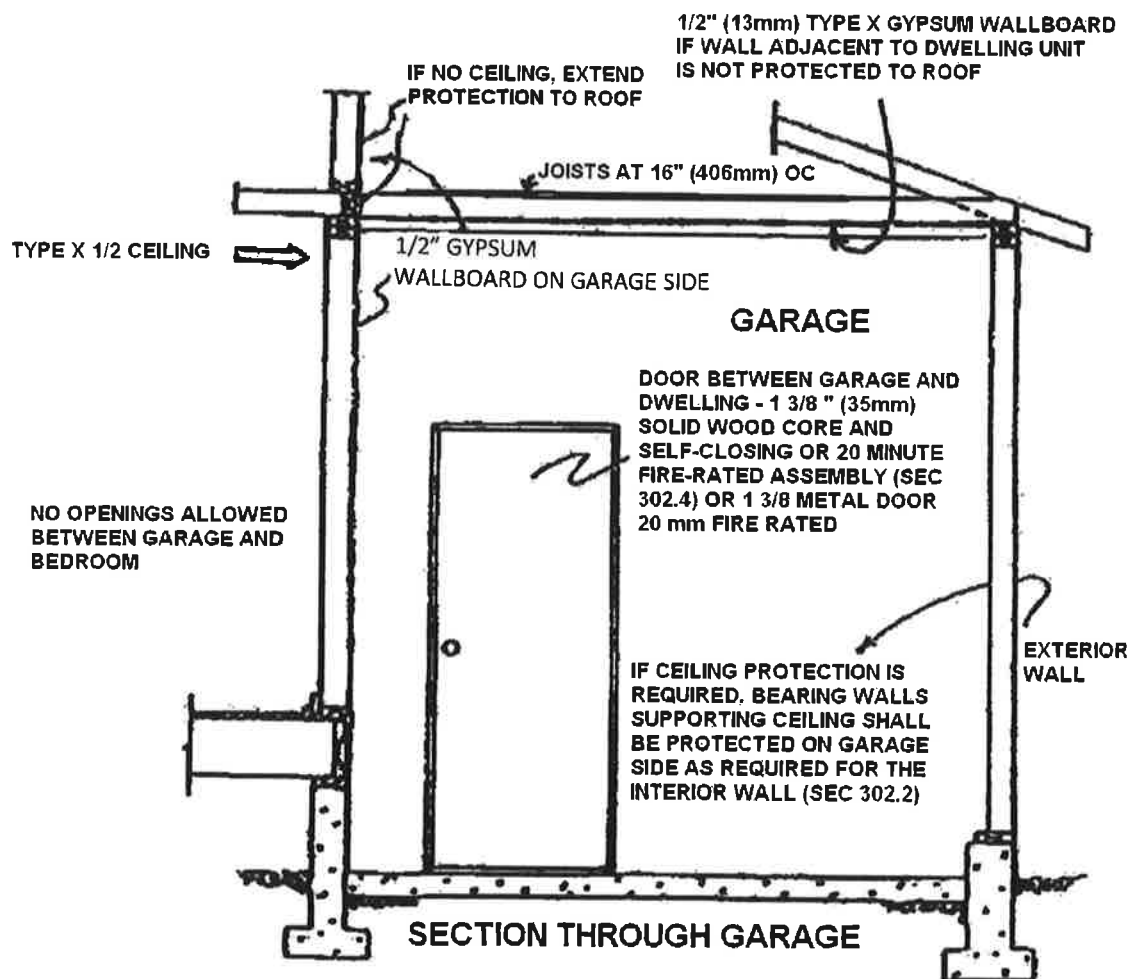
1029.5.2. Ladders or steps. Window wells with a vertical depth of more than 44 inches (1118 mm) shall be equipped with an *approved* permanently affixed ladder or steps. Ladders or rungs shall have an inside width of at least 12 inches (305 mm), shall project at least 3 inches (76 mm) from the wall and shall be spaced not more than 18 inches (457 mm) on center (o.c.) vertically for the full height of the window well. The ladder or steps shall not encroach into the required dimensions of the window well by more than 6 inches (152 mm). The ladder or steps shall not be obstructed by the *emergency escape and rescue opening*. Ladders or steps required by this section are exempt from the *stairway* requirements of Section 1009.

Updated 4-14-16

SECTION R 309 GARAGES AND CARPORT

R309.1 OPENING PROTECTION. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35mm) thick, or 20 minutes fire-rated doors.

P302.5 DUCT PENETRATION. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48mm) sheet steel or other approved material and shall have no openings into the garage.



**TABLE R302.6
DWELLING-GARAGE SEPARATION**

| SEPARATION | MATERIAL |
|--|---|
| From the residence and attics | Not less than 1/2-inch gypsum board or equivalent applied to the garage side |
| From habitable rooms above the garage | Not less than 5/8-inch Type X gypsum board or equivalent |
| Structure(s) supporting floor/ceiling assemblies used for separation required by this section | Not less than 1/2-inch gypsum board or equivalent |
| Garages located less than 3 feet from a dwelling unit on the same lot | Not less than 1/2-inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area |

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

2015 MICHIGAN RESIDENTIAL CODE

FIRE-WARNING SYSTEM

Dwelling units shall be provided with approved smoke detectors. A detector shall be installed in each sleeping room and at a point centrally located in the corridor or area giving access to each separate sleeping area. When the dwelling unit has more than one story and in dwellings with basements, a detector shall be installed on each story and in the basement. In dwelling units where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level, except that when the lower level contains a sleeping area, a detector shall be installed on each level. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway.

In dwelling units where the ceiling height of a room opens to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room.

Detectors shall be installed in accordance with approved manufacturer's instructions. When actuated, the detector shall provide an alarm that is audible within sleeping areas. (Sec. 310.9.1.4)

When the valuation of an addition, alteration or repair exceeds \$1,000 and a permit is required, or when one or more sleeping rooms are added or created in existing dwellings, the entire building shall be provided with smoke detectors located as required for new dwellings. This requirement is not applicable for repairs made to the exterior surfaces of the dwelling (Sec. 310.9.1.2)

In new construction, required smoke detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source and shall be equipped with a battery backup. The detector shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than those required for over current protection. Smoke detectors may be solely battery operated when installed in existing buildings, or in buildings without commercial power, or in buildings which undergo alterations, repairs or additions regulated by the paragraph above. (Sec. 310.9.1.3)

EXIT

DOORS

At least one doorway from dwellings shall be of a size as to permit the installation of a door not less than 3 feet (914 mm) in width and not less than 6 feet 8 inches (2032 mm) in height. The door shall be so mounted that the clear width of the exit way is not less than 32 inches (813 mm). (Sec. 1004.6)

DOOR LANDINGS

There shall be a floor or landing on each side of all doors. The floor or landing shall be level, except for exterior landings which may have a slope not to exceed $\frac{1}{4}$ unit vertical in 12 units horizontal (2% slope), with the floor or landing not more than 1 inch (25 mm) lower than the threshold of the doorway. However, in private dwellings a door may open at the top step of an interior flight of stairs or at a landing, provided the door does not swing over that top step or landing (except that screen doors and storm doors may) and the landing is not more than 8 inches (203 mm) below the floor level. Then landing shall have a width not less than the width of the stairway or the width of the door.