

Make Check Payable to Charter Township of Garfield

Garfield Township
 Building Department
 3848 Veterans Drive
 Traverse City, MI 49684

APPLICATION FOR PLAN EXAMINATION AND BUILDING PERMIT

IMPORTANT - APPLICANT TO COMPLETE ALL ITEMS IN SECTIONS I, II, III, IV, AND V

I. LOCATION OF BUILDING

AT: _____
 Number Street City, State, Zip

BETWEEN: _____ AND _____

SUBDIVISION: _____ LOT#: _____ LOT SIZE: _____

ANY PORTION OF THE PROPOSED STRUCTURE IN A FLOOD PLAIN? YES* NO

* IF YES, AN ELEVATION CERTIFICATE AND ENGINEERED FOUNDATION DRAWINGS WILL BE REQUIRED.

II. TYPE AND COST OF BUILDING - ALL APPLICANTS COMPLETE PARTS A - D

A. TYPE OF IMPROVEMENT

- New Building
 - Stick Built on Site
 - Modular # of Sections _____
 - Manufactured _____ New _____ Used
 - Dimensions _____ X _____
- Addition
- Alteration/Build-Out of Existing
- Repair/Replacement
- Demolition # of Units _____
- Are All Utilities Disconnected? Y N
- Moving or Relocation
- Foundation Only

B. PROPOSED USE (For Demolition, Check Most Recent Use of Structure)

RESIDENTIAL

- One Family
- Two or More Families # of Units _____
- Hotel, Motel, Dormitory # of Units _____
- Garage
- Carport
- Swimming Pool
 - In Ground Above Ground
- Solar Panels
 - Ground Mount Roof Mount
- Other - Specify _____

NON-RESIDENTIAL

- Amusement, Recreational
- Church, Other Religious Use
- Industrial
- Parking Garage
- Service Station/Repair Garage
- Hospital, Institutional
- Office, Bank, Professional
- Public Utility
- School, Library, or Other educational
- Stores, Retail, Mercantile
- Tanks, Towers
- Other - Specify _____

C. OWNERSHIP

- Private (An Individual, Corporation, Non-Profit Institution, Etc.)
- Public (Federal, State or Local Government)

D. COST

BASE Cost of Improvement:

1. Electrical
2. Plumbing
3. Heating A/C
4. Other (Elevator, etc.)

Total Cost Of Improvement

(Omit Cents)

\$ _____

 \$ _____

Non-residential - describe in detail proposed use of buildings, e.g., food processing plant, machining shop, laundry building at hospital, elementary school, secondary school, college, parochial school, parking garage, rental office building, office building at industrial plant. If use of existing building is being changed, enter proposed use.

III. SELECTED CHARACTERISTICS OF BUILDING - FOR NEW BUILDINGS AND ADDITIONS, COMPLETE PARTS E - L.

FOR DEMOLITIONS COMPLETE PART J ONLY; FOR ALL OTHERS SKIP TO IV.

E. PRINCIPAL TYPE OF FRAME

- Masonry (Wall Bearing)
- Wood Frame Industrial
- Structural Steel
- Reinforced Concrete
- Other-Specify _____

F. PRINCIPAL TYPE OF HEATING FUEL

- Natural Gas
- Oil
- Electricity
- Geothermal
- Other-Specify _____

G. TYPE OF SEWAGE DISPOSAL

- Public/Municipa
- Private (On-Lot System)

H. TYPE OF WATER SUPPLY

- Public/Municipal
- Private (Well, Cistern)

I. TYPE OF MECHANICAL

- Will There Be Central Air Conditioning?
 YES NO
- Will There Be An Elevator?
 YES NO

J. DIMENSIONS

Number of Stories _____
 Total Square Feet of Floor Area, All Floors, Based
 On Exterior Dimensions _____
 Total Land Area, SQ. FT. _____

K. NUMBER OF OFF-STREET PARKING SPACES

Enclosed (Garage) _____
 Outdoors _____

L. RESIDENTIAL BUILDINGS ONLY

Number of Bedrooms _____
 Number of Bathrooms:
 Full _____ Partial _____

IV. IDENTIFICATION	
A. OWNER OR LESSEE NAME: Name _____ Address _____ City _____	Telephone Number _____ Cell Phone Number _____ Fax Number _____ State & Zip Code _____
B. ARCHITECT OR ENGINEER NAME: Name _____ Address _____ City/State/Zip _____	Telephone Number _____ Cell Phone Number _____ Fax Number _____ License # & Expiration _____
C. CONTRACTOR NAME: Name _____ Address _____ City _____ Builder's License # _____	Telephone Number _____ Cell Phone Number _____ Fax Number _____ State _____ Zip Code _____ Expiration Date _____
Federal Employer ID # Or Reason For Exemption:	
Worker's Comp Insurance Carrier Or Reason For Exemption:	
MESC Employer Number Or Reason For Exemption:	
V. APPLICANT INFORMATION	
Applicant Is Responsible For The Payment Of All Fees/Charges Applicable To The Application And Must Provide The Following Information:	
Name _____ Address _____ City/State/Zip Code _____	Telephone Number _____ Cell Phone Number _____ Fax Number _____
Email Address _____	Preferred Method of Contact for Plan Reviews _____
Federal Employer ID # Or Reason For Exemption:	
I hereby certify that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her agent, and we agree to conform to all applicable laws of the State of Michigan. All information submitted on this application is accurate to the best of my knowledge.	
Section 23a of the State Construction Code Act of 1972, Act No. 230 of the Public Acts of 1972, being Section 125.1253a of the Michigan Compiled laws, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to persons who are to perform work on a residential building or a residential structure. Violators of Section 23a are subject to civil fines.	
APPLICANT SIGNATURE:	APPLICATION DATE:
PRINT APPLICANT NAME:	
*** REMODELS ONLY - COST OF PROJECT:	
NOTES - FOR DEPARTMENT USE ONLY:	



Charter Township of Garfield

Grand Traverse County

3848 VETERANS DRIVE
TRAVERSE CITY, MICHIGAN 49684
PH: (231) 941-1620 • FAX: (231) 941-1588
www.garfield-twp.com

LAND USE PERMIT APPLICATION

1) Owner / Applicant Information

Owner	Applicant
Address	Address 2
City, State, Zip Code	City, State, Zip Code 2
Phone Number	Phone Number 2
Email	Email 2

An applicant who is acting as the authorized agent for the owner of the property listed above shall provide a date of birth and Drivers License number.

Date of Birth	Drivers License #
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2) Property Information

Property Address: _____

Parcel ID #: 28-05- _____

Subdivision Name: _____ Lot#: _____

Proposed Use: _____ Current Use: _____

Setbacks: F _____ LS _____ RS _____ R _____ Bldg Height: _____

3) Request

Single Family Home: _____ Duplex: _____ Multi-Family: _____ Change of Use: _____

Commercial Bldg: _____ Industrial Bldg: _____ Grading: _____ Road: _____

Accessory Structure: _____ Addition: _____ Deck: _____ Other: _____

Description: _____

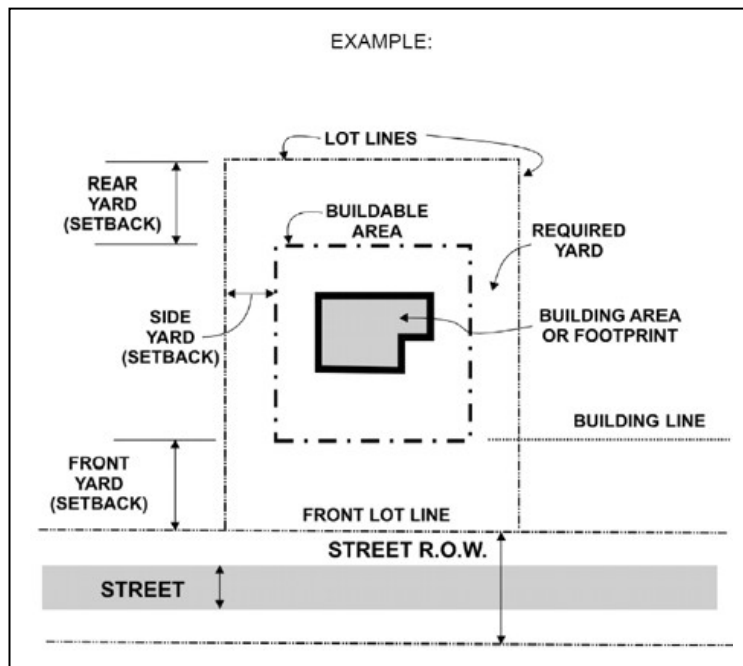
4) Permits:

The following agency permits are required (if applicable) prior to the issuance of a Land Use Permit and at the time of submittal of the application:

- Soil Erosion Permit
- Health Department (well/septic) or DPW Permit (water/sewer)
- Driveway Permit (Road Commission or M-DOT)
- MDEQ & Great Lakes Energy Permits
- METRO Fire Site Plan Review

5) Dimensional Site Plan:

Please provide a detailed sketch is required, which includes all structures on the property, proposed structures with dimensions, parcel dimensions, setbacks, Road Right of Way, and height. See example below.



6) Affidavit:

The undersigned affirms that he/she or they is (are) the owner, or authorized agent of the owner, involved in the application and all of the information submitted in this application, including any supplemental information, is in all respects true and correct. The undersigned further acknowledges that willful misrepresentation of information will terminate this permit application and any permit associated with this document.

_____	_____	_____
Owner Signature	Print Name	Date
_____	_____	_____
Applicant Signature	Print Name	Date



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REQUIREMENTS FOR RESIDENTIAL PLAN REVIEW

THE REQUIREMENTS FOR DRAWINGS TO ACCOMPANY THE APPLICATION FOR BUILDING PERMIT ARE ADDRESSED IN THE MICHIGAN RESIDENTIAL CODE SECTION R106.1.1. CONSTRUCTION DOCUMENTS SHALL BE OF SUFFICIENT CLARITY TO INDICATE THE LOCATION, NATURE, AND EXTENT OF THE WORK PROPOSED AND SHOW IN DETAIL THAT IT WILL CONFORM TO THE PROVISIONS OF THE CODE.

AS A MINIMUM THIS OFFICE WILL REQUIRE TWO SETS OF DRAWINGS,
DRAWN TO SCALE OF THE FOLLOWING:

1. SITE PLAN SHOWING THE LOCATION OF THE BUILDING OR STRUCTURE WITH DIMENSIONS IN RELATION TO LOT LINES, STREETS, AND OTHER BUILDINGS.
2. FOOTING AND FOUNDATION PLANS SHOWING MATERIALS AND DIMENSIONS OF PROPOSED WORK. INDICATE SUPPORTING BEAMS, POSTS, OR PIERS.
3. FLOOR PLANS TO SCALE OF EACH FLOOR INCLUDING EXTERIOR DIMENSIONS, LOCATION OF WINDOWS AND DOORS, AND IDENTIFICATION OF ROOMS OR SPACES. IDENTIFY BEAMS, HEADERS, AND JOISTS BY SIZE AND SPECIES. IF AN ADDITION, SHOW THE EXISTING BUILDING FLOOR PLAN WITH ROOM USES.
4. EXTERIOR ELEVATIONS SHOWING WINDOWS, DOORS, DECKS, DORMERS, OTHER PROJECTIONS, AND GRADE LINES.
5. SECTION THROUGH EXTERIOR WALL FROM FOOTING TO HIGHEST POINT ON ROOF, JOISTS BEAMS, RAFTERS, TRUSSES, OR OTHER STRUCTURAL MEMBERS. IDENTIFY MEMBERS AND INDICATE SIZES.

THE PURPOSE OF THE PLAN SUBMITTAL IS TO DETERMINE CODE COMPLIANCE AND IDENTIFY ANY REQUIRED CHANGES PRIOR TO ACTUAL CONSTRUCTION.

THE PLANS MUST SHOW COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. CONSTRUCTION DRAWINGS SHALL SHOW THE SIZE, SECTION, AND RELATIVE LOCATION FOR ALL STRUCTURAL MEMBERS.

MICHIGAN ENERGY CODE 2015

PRESCRIPTIVE COMPLIANCE WORK SHEET ZONE 6A:

SITE ADDRESS: _____ CITY / TOWNSHIP: _____
 _____ DATE: _____

INSULATED AREA	MINIMUM R-VALUE	PROPOSED R-VALUE
CEILING 1: FLAT OR SCISSOR TRUSS AREA _____ SF	R-49 WITH STANDARD TRUSS OR R-38 OVER WALL PLATE	
CEILING 2: FLAT OR SCISSOR TRUSS AREA _____ SF	R-49 WITH STANDARD TRUSS OR R-38 OVER WALL PLATE	
CEILING 3: CATHEDRAL AREA _____ SF	R-30 WITH AREA < 20% OF TOTAL CEILING AND <500 SF	

INSULATED AREA	MINIMUM R-VALUE	PROPOSED R-VALUE
WOOD FRAME WALL 1:	R-20 CAVITY OR R-13 CAVITY WITH R-5 INSULATED SHEATHING. NOTE 1	
WOOD FRAME WALL 2:	R-20 CAVITY OR R-13 CAVITY WITH R-5 INSULATED SHEATHING. NOTE 1	
WOOD FRAME WALL 3:	R-20 CAVITY OR R-13 CAVITY WITH R-5 INSULATED SHEATHING. NOTE 1	

INSULATED AREA	MINIMUM R-VALUE	PROPOSED R-VALUE
FLOOR 1: OVER UNCONDITIONED SPACE	R-30 OR TO FILL CAVITY R-19 MINIMUM	
FLOOR 2: OVER UNCONDITIONED SPACE	R-30 OR TO FILL CAVITY R-19 MINIMUM	

INSULATED AREA	MINIMUM R-VALUE	PROPOSED R-VALUE
BASEMENT WALL: TOP OF WALL TO FLOOR LINE OR 10' BELOW GRADE	R-15 CONTINUOUS OR R-19 CAVITY	

INSULATED AREA	MINIMUM R-VALUE	PROPOSED R-VALUE
SLAB EDGE:	R-10 FOR 4FT PLAIN SLAB R-15 FOR 4FT HEATED SLAB	

INSULATED AREA	MINIMUM R-VALUE	PROPOSED R-VALUE
CRAWL SPACE WALL:	R-15 CONTINUOUS R-19 CAVITY	

FENESTRATION	MAXIMUM U-FACTOR	PROPOSED U- FACTOR
DOORS AND WINDOWS	0.32	
SKYLIGHT	0.55	

NOTE 1: WHERE STRUCTURAL SHEATHING COVERS LESS THAN 25% OF WALL AREA R-5 CONTINUOUS INSULATION IS NOT REQUIRED OVER STRUCTURAL SHEATHING AREAS.

NOTE 2: PLANS ARE TO INDICATE ALL INSULATION MATERIALS AND R-VALUES. VALUES INDICATED ON COMPLIANCE DOCUMENTS ARE TO COINCIDE WITH VALUES INDICATED ON THE PLANS.

NOTE 3: GENERAL AND MANDATORY REQUIREMENTS SHALL BE MET

NOTE 4: SEE CODE TEXT FOR ADDITIONAL NOTES AND ALTERNATIVES

MICHIGAN ENERGY CODE 2015

PRESCRIPTIVE COMPLIANCE WORK SHEET ZONE 6A:

SITE ADDRESS: _____ CITY/TOWNSHIP: _____

_____ DATE: _____

PROPOSED BUILDING

ROOF/CEILING:

$$A1 \text{ _____} / R1 \text{ _____} = UA \text{ _____}$$

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / R3 \text{ _____} = UA \text{ _____}$$

$$TOTAL \text{ ROOF/CEIL } UA = \text{ _____}$$

SKYLIGHTS:

$$A1 \text{ _____} \times U1 = UA \text{ _____}$$

$$A2 \text{ _____} \times U1 = UA \text{ _____}$$

$$TOTAL \text{ SKYLIGHT } UA = \text{ _____}$$

FRAME WALL: (25% FRAMING, 75% CAVITY)

$$A1 \text{ _____} \times .75 / R1 \text{ _____} = UA \text{ _____}$$

$$A1 \text{ _____} \times .25 / R-5 = UA \text{ _____}$$

$$A2 \text{ _____} \times .75 / R2 \text{ _____} = UA \text{ _____}$$

$$A2 \text{ _____} \times .25 / R-5 = UA \text{ _____}$$

$$A3 \text{ _____} \times .75 / R3 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} \times .25 / R-5 = UA \text{ _____}$$

$$TOTAL \text{ FRAME WALL } UA = \text{ _____}$$

BAND JOIST:

$$A1 \text{ _____} / R1 \text{ _____} = UA \text{ _____}$$

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$TOTAL \text{ BAND JOIST } UA = \text{ _____}$$

STANDARD BUILDING

ROOF/CEILING:

$$A1 \text{ _____} \times 0.026 = UA \text{ _____}$$

$$A2 \text{ _____} \times 0.026 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.026 = UA \text{ _____}$$

$$TOTAL \text{ ROOF/CEIL } UA = \text{ _____}$$

SKYLIGHTS:

$$A1 \text{ _____} \times 0.55 = UA \text{ _____}$$

$$A2 \text{ _____} \times 0.55 = UA \text{ _____}$$

$$TOTAL \text{ SKYLIGHT } UA = \text{ _____}$$

FRAME WALL:

$$A1 \text{ _____} \times 0.057 = UA \text{ _____}$$

$$A2 \text{ _____} \times 0.057 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.057 = UA \text{ _____}$$

$$TOTAL \text{ FRAME WALL } UA = \text{ _____}$$

BAND JOIST:

$$A1 \text{ _____} \times 0.057 = UA \text{ _____}$$

$$A2 \text{ _____} \times 0.057 = UA \text{ _____}$$

$$TOTAL \text{ BAND JOIST } UA = \text{ _____}$$

$$TOTAL \text{ PAGE 1 } UA = \text{ _____}$$

$$TOTAL \text{ PAGE 1 } UA = \text{ _____}$$

NOTE: FRAME WALL CALCULATION USED 25% FRAMING AND 75% CAVITY WALLS 16" O.C.
USE 22% FRAMING AND 78% CAVITY FOR WALLS 24" O.C.

MICHIGAN ENERGY CODE 2015

PRESCRIPTIVE COMPLIANCE WORK SHEET ZONE 6A:

SITE ADDRESS: _____

PROPOSED BUILDING

FENESTRATION, WINDOWS:

$$A1 \text{ _____} / U1 \text{ _____} = UA \text{ _____}$$

$$A2 \text{ _____} / U2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / U3 \text{ _____} = UA \text{ _____}$$

$$TOTAL WINDOW UA = \text{_____}$$

FENESTRATION, DOORS:

$$A1 \text{ _____} \times U1 \text{ _____} = UA \text{ _____}$$

$$A2 \text{ _____} \times U2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} \times U3 \text{ _____} = UA \text{ _____}$$

$$TOTAL DOOR UA = \text{_____}$$

FLOORS OVER UNCONDITIONED SPACES: (VENTED CRAWLS AND GARAGES)

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / R3 \text{ _____} = UA \text{ _____}$$

$$TOTAL FLOOR UA = \text{_____}$$

BASEMENT WALL: (TOP OF WALL TO FLOOR)

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / R3 \text{ _____} = UA \text{ _____}$$

$$TOTAL WALL UA = \text{_____}$$

BASEMENT WINDOW:

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / R3 \text{ _____} = UA \text{ _____}$$

$$TOTAL WINDOW UA = \text{_____}$$

$$TOTAL PAGE 2 UA = \text{_____}$$

STANDARD BUILDING

FENESTRATION, WINDOWS:

$$A1 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$A2 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$TOTAL WINDOW UA = \text{_____}$$

FENESTRATION, DOORS:

$$A1 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$A2 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$TOTAL DOOR UA = \text{_____}$$

FLOORS OVER UNCONDITIONED SPACES: (VENTED CRAWLS AND GARAGES)

$$A2 \text{ _____} \times 0.033 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.033 = UA \text{ _____}$$

$$TOTAL FLOOR UA = \text{_____}$$

BASEMENT WALL: (TOP OF WALL TO FLOOR)

$$A2 \text{ _____} \times 0.050 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.050 = UA \text{ _____}$$

$$TOTAL BAND JOIST UA = \text{_____}$$

BASEMENT WINDOW:

$$A2 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.320 = UA \text{ _____}$$

$$TOTAL WINDOW UA = \text{_____}$$

$$TOTAL PAGE 2 UA = \text{_____}$$

TOTAL UA COMPLIANCE WORK SHEET, ZONE 6A:

SITE ADDRESS: _____

CRAWL SPACE WALL: (NON-VENTED CRAWLS)

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / R3 \text{ _____} = UA \text{ _____}$$

$$TOTAL \text{ WALL } UA = \text{ _____}$$

CRAWL SPACE WALL (NON-VENTED CRAWLS)

$$A2 \text{ _____} \times 0.055 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.055 = UA \text{ _____}$$

$$TOTAL \text{ WALL } UA = \text{ _____}$$

NOTE: CRAWL SPACE WALL INSULATION SHALL EXTEND DOWNWARD FROM THE FLOOR TO THE FINISHED GRADE AND THEN VERTICALLY AND/OR HORIZONTALLY AN ADDITIONAL 24". EXPOSED EARTH SHALL BE COVERED WITH A CLASS ONE VAPOR RETARDER.

MASS WALL:

$$A2 \text{ _____} / R2 \text{ _____} = UA \text{ _____}$$

$$A3 \text{ _____} / R3 \text{ _____} = UA \text{ _____}$$

$$TOTAL \text{ WALL } UA = \text{ _____}$$

MASS WALL:

$$A2 \text{ _____} \times 0.060 = UA \text{ _____}$$

$$A3 \text{ _____} \times 0.060 = UA \text{ _____}$$

$$TOTAL \text{ BAND JOIST } UA = \text{ _____}$$

NOTE: MASS WALLS SHALL BE CONSIDERED TO BE ABOVE GRADE WALLS OF CONCRETE, CONCRETE BLOCK, ICF, AND SOLID TIMBER LOGS

$$TOTAL \text{ PAGE } 1 \text{ UA} = \text{ _____}$$

$$TOTAL \text{ PAGE } 2 \text{ UA} = \text{ _____}$$

$$TOTAL \text{ PAGE } 3 \text{ UA} = \text{ _____}$$

$$PROPOSED \text{ BUILDING } TOTAL \text{ UA} = \text{ _____}$$

$$TOTAL \text{ PAGE } 1 \text{ UA} = \text{ _____}$$

$$TOTAL \text{ PAGE } 2 \text{ UA} = \text{ _____}$$

$$TOTAL \text{ PAGE } 3 \text{ UA} = \text{ _____}$$

$$STANDARD \text{ BUILDING } TOTAL \text{ UA} = \text{ _____}$$

NOTE: IF THE PROPOSED BUILDING TOTAL THERMAL ENVELOPE UA IS LESS THAN OR EQUAL TO THE STANDARD BUILDING TOTAL UA RESULTING FROM USING THE U-FACTORS IN TABLE 402.1.3, THE BUILDING SHALL BE CONSIDERED IN COMPLIANCE WITH TABLE 402.1.1.

NOTE: SLAB-ON-GRADE FLOORS WITH A FLOOR SURFACE LESS THAN 12" BELOW GRADE SHALL BE INSULATED FROM THE TOP OF THE SLAB DOWNWARD, OUTSIDE OR INSIDE THE FOUNDATION WALL. A MINIMUM OF R-10 INSULATION SHALL EXTEND A MINIMUM OF 4' VERTICALLY AND HORIZONTALLY.

NOTE: ALL MANDATORY REQUIREMENTS OF THE 2015 MICHIGAN ENERGY CODE WILL APPLY.

ENERGY CERTIFICATE

The IRC requires the builder or registered design professional to complete an energy efficiency certificate, listing the installed insulation and fenestration values. The certificate must also list the type and efficiency of installed heating, cooling, and water heating equipment. Because electric furnaces, baseboard heaters, and unvented gas-fired heaters may not provide the lowest energy consumption when compared to other methods of comfort heating and their energy efficiency ratings may be misleading, the IRC requires such appliances to be individually listed on the certificate without an efficiency designation. The permanent certificate is affixed to the electrical service panel but cannot cover the service directory or other required information governed by the electrical code. (Figure 15-10) (ref. N1101.9)

example only

Energy Efficiency Certificate		
Insulation Rating		R-Value
Ceiling/Roof	Frames	
Walls	Mass	
	Basement	
	Crawl Space	
Floors	Over Unconditioned Space	
	Slab Edge	
Ducts	Outside Conditioned Space	
Glass and Door Rating		NFRC U-Factor
	NFRC SHGC	
Window		
Opaque Door		
Skylight		
Heating and Cooling Equipment		Efficiency
	Type	
Heating System		AFUE:
Cooling System		SEER:
Water Heater		EF:
<p>Indicate if the following have been installed (an efficiency shall not be listed):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Electric furnace <input type="checkbox"/> Gas-fired unvented room heater <input type="checkbox"/> Baseboard electric heater <p style="text-align: right;">Designer: _____</p> <p style="text-align: right;">Builder: _____</p> <p style="text-align: right;">Date: _____</p>		

FIGURE 15-10 Permanent energy certificate



Charter Township of Garfield

Grand Traverse County

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PH: (231) 941-1620 • FAX: (231) 941-1588

Residential Building Permit Process

Outside Agency Permits

- Soil Erosion
- Health Department
- Water/Sewer-DPW
- Driveway

Garfield Township Permits

Concurrent Review of Building and Zoning

- **Land Use Permit**
 - Application
 - Site Plan
- Fees paid when permits are picked up. Prior to starting work.
- **Building Permit**
 - Application of Building Permit
 - Energy Code Compliance Worksheet
 - Construction Drawings (2 sets)

Grand Traverse County Permits

- Electrical
- Plumbing
- Mechanical

Garfield Township Inspections**

- Foundation
- Framing
- Final-After outside agency final inspections
- **Additional inspections maybe required, consult Plan Review
- Outside agency inspections are required as per their Plan Review

Certificate of Occupancy

- Not issued until:
 - Applicable Outside Agencies Finals
 - Applicable Grand Traverse County Permit Finals
 - Zoning Final
 - Building Final



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BUILDING PERMITS

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www.garfield-twp.com

DRIVEWAY PERMITS

Grand Traverse County
1881 LaFranier Rd.
Traverse City MI 49696
(231) 922-4848
www.gtcr.org

ELECTRICAL, MECHANICAL & PLUMBING PERMITS

Grand Traverse County
2650 LaFranier Rd
Traverse City MI 49686
(231) 995-6044

ZONING, LAND USE & SIGN PERMITS

Charter Township of Garfield
3848 Veterans Dr.
Traverse City MI 49684
(231) 941-1620

SOIL & EROSION PERMITS

Grand Traverse County
2650 LaFranier Rd
Traverse City MI 49686
(231) 995-6051
eh@grandtraverse.org

FIRE DEPARTMENT

Grand Traverse Metro Fire Dept.
897 Parsons Rd.
Traverse City MI 49686
(231) 947-3000
info@gtmetrofire.org

SEWER & WATER PERMITS

Grand Traverse County
2650 LaFranier Rd
Traverse City MI 49686
(231) 995-6039
pubworks@grandtraverse.org

OFFICIAL ADDRESSES

Grand Traverse County Equalization
400 Boardman Ave, Ste 103
Traverse City MI 49684
(231) 922-4772
www.grandtraverse.org

MISS DIG

1-800-482-7171