



Application for Building Permit

Lake Charter Township

3220 Shawnee Road

P.O. Box 818

Bridgman, MI 49106

(269) 465-6601

Email: rkubsch@lake-township.org

www.lake-township.org

Authority:	1972 PA 230
Completion:	Mandatory to obtain permit
Penalty:	Permit cannot be issued

Date _____ Issued _____ Fee _____ Permit # _____

APPLICANT TO COMPLETE ALL ITEMS IN SECTION I, II, III, IV, V, AND VI

NOTE: SEPARATE APPLICATIONS MUST BE COMPLETED FOR PLUMBING, MECHANICAL, AND ELECTRICAL WORK PERMITS

I. PROJECT INFORMATION					
PROJECT NAME					
ADDRESS					ZIP CODE
BETWEEN			AND		
II. IDENTIFICATION					
A. OWNER OR LESSEE					
NAME			ADDRESS		
CITY	STATE	ZIP CODE	TELEPHONE NUMBER (include area code)	CELL NUMBER (include area code)	
B. ARCHITECT OR ENGINEER					
NAME			ADDRESS		
CITY	STATE	ZIP CODE	TELEPHONE NUMBER (include area code)	CELL NUMBER (include area code)	
LICENSE NUMBER				EXPIRATION DATE	
C. CONTRACTOR					
NAME			ADDRESS		
CITY	STATE	ZIP CODE	TELEPHONE NUMBER (include area code)	CELL NUMBER (include area code)	
BUILDERS LICENSE NUMBER				EXPIRATION DATE	
FEDERAL EMPLOYER ID NUMBER OR REASON FOREXEMPTION					
WORKERS COMP. INSURANCE CARRIER OR REASON FOREXEMPTION					
MESC EMPLOYER NUMBER OR REASON FOREXEMPTION					
III. TYPE OF IMPROVEMENT AND PLAN REVIEW					
A. TYPE OF IMPROVEMENT					
1. <input type="checkbox"/> NEW BUILDING	3. <input type="checkbox"/> ALTERATION	5. <input type="checkbox"/> DEMOLITION	7. <input type="checkbox"/> FOUNDATION ONLY	9. <input type="checkbox"/> RELOCATION	
2. <input type="checkbox"/> ADDITION	4. <input type="checkbox"/> REPAIR	6. <input type="checkbox"/> MOBILE HOME SET-UP	8. <input type="checkbox"/> PRE-MANUFACTURE	10. <input type="checkbox"/> SPECIAL INSPECTION	
B. PLAN REVIEW REQUIRED					
Plans must be submitted before a permit can be issued, except as listed below.					
Plans are not required for alterations and repair work determined by the building official to be of a minor nature.					
Plans for residential – two unsealed sets are required for residential structures.					
Plans and specifications are required for all other building types and shall be prepared by or under the direct supervision of an architect or engineer licensed pursuant to 1980 PA 299 and shall bear that architect's or engineer's seal and signature.					

IV. PROPOSED USE OF BUILDING

A. RESIDENTIAL Value of Work \$ _____

- 1. ONE FAMILY
- 2. TWO OR MORE FAMILY
NO. OF UNITS _____
- 3. HOTEL, MOTEL
GARAGE NO. OF UNITS _____
- 4. ATTACHED GARAGE
- 5. DETACHED
- 6. OTHER _____

B. NON-RESIDENTIAL Value of Work \$ _____

- 7. ASSEMBLY GROUP A
- 8. BUSINESS GROUP B
- 9. EDUCATIONAL GROUP E
- 10. FACTORY GROUP F
- 11. HIGH-HAZARD GROUP H
- 12. INSTITUTIONAL GROUP I
- 13. MERCANTILE GROUP M
- 14. RESIDENTIAL GROUP R
- 15. STORAGE GROUP S
- 16. UTILITY AND MISC GROUP U
- 17. TANKS AND TOWERS
- 18. OTHER _____

RESIDENTIAL / NONRESIDENTIAL - DESCRIBE IN DETAIL PROPOSED USE OF BUILDING, E.G. FOOD PROCESSING PLANT, MACHINE SHOP, LAUNDRY FACILITY, HOSPITAL, PARKING GARAGE FOR DEPARTMENT STORE, RENTAL OFFICE BUILDING, OFFICE BUILDING AT INDUSTRIAL PLANT. IF USE OF EXISTING BUILDING IS BEING CHANGED, ENTER PROPOSED USE.

V. SELECTED CHARACTERISTICS OF BUILDING

A. PRINCIPAL TYPE OF FRAME

- 1. MASONRY, WALL BEARING
- 2. WOOD FRAME
- 3. STRUCTURAL, STEEL
- 4. REINFORCED CONCRETE
- 5. OTHER _____

B. PRINCIPAL TYPE OF HEATING SYSTEM

- 6. GAS
- 7. OIL
- 8. ELECTRICITY
- 9. COAL
- 10. OTHER _____

- C. NEW SEWER CONNECTION** YES NO
- D. SEPTIC SYSTEM** YES NO

- E. NEW WATER CONNECTION** YES NO
- F. PRIVATE WELL** YES NO

G. TYPE OF MECHANICAL

- 11. WILL THERE BE AIR CONDITIONING? YES NO
- 12. WILL THERE BE FIRE SUPPRESSION? YES NO

H. DIMENSIONS / DATA

		EXISTING	ALTERATIONS	NEW
13. NUMBER OF STORIES _____	17. FLOOR AREA			
14. USE GROUP _____	BASEMENT	_____	_____	_____
15. CONSTRUCTION TYPE _____	1ST & 2ND FLOOR	_____	_____	_____
16. NO. OF OCCUPANTS _____	3RD - 10TH FLOOR	_____	_____	_____
	11TH - ABOVE	_____	_____	_____
	TOTAL AREA	_____	_____	_____

I. MICHIGAN ENERGY CODE - PATH

Required for new residential house or addition

VI. APPLICANT INFORMATION

APPLICANT IS RESPONSIBLE FOR THE PAYMENT OF ALL FEES AND CHARGES TO THIS APPLICATION AND MUST PROVIDE THE FOLLOWING INFORMATION.

NAME		ADDRESS	
CITY	STATE	ZIP CODE	TELEPHONE NUMBER (include area code)
FEDERAL EMPLOYER I.D. NUMBER (or reason for exemption)			CELL NUMBER (include area code)

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 AUTHORIZED AGENT, AND AGREE TO CONFORM TO ALL APPLICABLE LAWS OF THE STATE OF MICHIGAN AND LAKE CHARTER TOWNSHIP. ALL INFORMATION SUBMITTED ON THIS APPLICATION IS ACCURATE TO THE BEST OF MY KNOWLEDGE.

Section 23a of the state construction code act of 1972, 1972 PA 230, MCL 125.1523A, 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.

SIGNATURE OF APPLICANT

BUILDING PERMIT FEE (The first \$75.00 of an application is non-refundable) \$ _____	_____
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Setbacks: Front _____ Rear _____ Side _____ Side _____

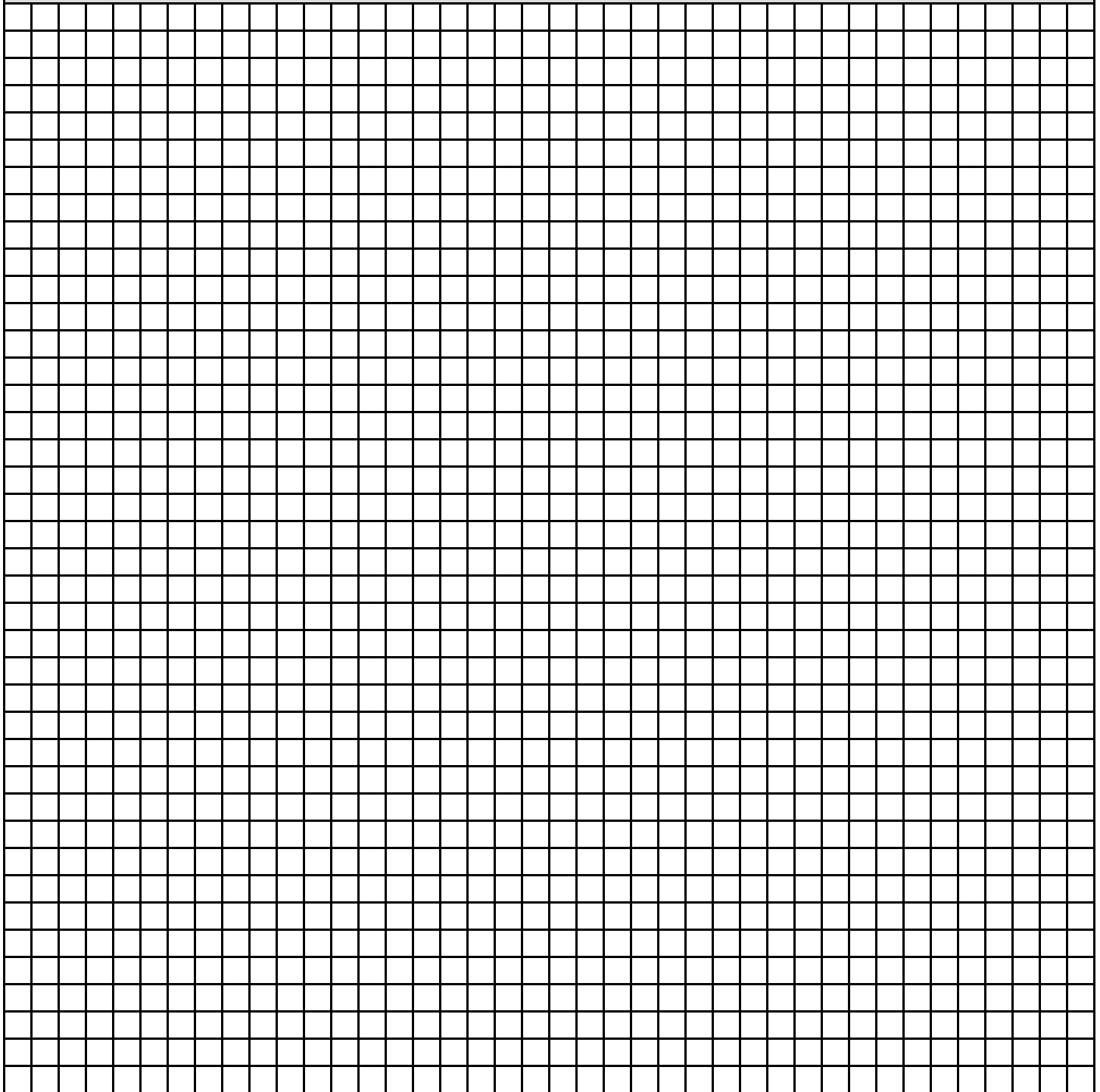
VII. FOR DEPARTMENT USE ONLY

ENVIRONMENTAL CONTROL APPROVALS					
	REQUIRED?	APPROVED	DATE	NUMBER	BY
A. ZONING APPROVAL	<input type="checkbox"/> YES <input type="checkbox"/> NO				
B. SITE PLAN REVIEW	<input type="checkbox"/> YES <input type="checkbox"/> NO				
C. PAVING PERMIT	<input type="checkbox"/> YES <input type="checkbox"/> NO				
D. SOIL EROSION PERMIT	<input type="checkbox"/> YES <input type="checkbox"/> NO				
E. FLOOD ZONE PERMIT	<input type="checkbox"/> YES <input type="checkbox"/> NO				
F. CURB CUT	<input type="checkbox"/> YES <input type="checkbox"/> NO				
G. VARIANCE GRANTED	<input type="checkbox"/> YES <input type="checkbox"/> NO				
H. OTHER	<input type="checkbox"/> YES <input type="checkbox"/> NO				

VIII. VALIDATION – FOR DEPARTMENT USE ONLY

USE GROUP _____	BASE FEE _____
TYPE OF CONSTRUCTION _____	NUMBER OF INSPECTIONS _____
SQUARE FEET _____	ZONE _____
APPROVAL SIGNATURE	
TITLE _____	DATE _____

IX. Site or Plot Plan - For Applicant Use



Expiration of Permit: A permit expires one (1) year from the date of issue. A permit may be renewed before its expiration date at half of the original permit fee. A permit remains valid as long as work is progressing and inspections are requested and conducted.

LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

OFFICE USE ONLY

Please review and answer the following as the Energy Code criteria is required for all new construction including additions, alterations, renovations, or repairs. [N1101.3.1] Criteria subject to field inspections. Chapter and Section references are from the 2015 Michigan Residential Building Code

Checkboxes at the beginning of the listings below [that apply] may be used for check off purpose (insert x in box when filling out electronically).

CHAPT 11 – Energy Efficiency *One Path of the Four listed below must be checked before a permit is issued.*

- Prescriptive Path – R-values based off of table N1102.1.1 or U factors based off table N1102.1.3 Must follow [Mandatory] and [Prescriptive] *code items.**
- Total UA Path – Based off the total UA of the home [**RES check] Must follow [Mandatory] and [Prescriptive] *code items. (Only takes thermal envelope into account.) **RES check calculations are based off International values and may be higher in some areas than the Michigan Residential Code 2015 requires.**
- Performance Path – Based off of [Simulated Performance] section N1105 REM rate approach. Must follow [Mandatory] *code items only. Would require an outside company to manage this path.**
- ERI Path – Based off an Energy Rating Index analysis per section N1106 Must follow [Mandatory] *code items only. Takes thermal envelope, performance testing, HVAC, Lighting and appliances into account.**

* Code items [Prescriptive] and [Mandatory] listed below

Compliance Pathways

	Insulation and Fenestration Table [N1102.1.1]	RES check	Whole-House Performance Tradeoffs (REM/Rate)	Energy Rating Index Minimum (HERS)	Air Barrier & Insulation Table [N1102.4.1.1]	Blower Door Test [N1102.4.1.2]	Duct Tightness Test	Duct Insulation R-8	Duct Insulation R-6	Building cavities not duct runs [N1103.2.3]	Ducts, Air Handlers and Filter Box Sealing	Hot Water Pipe Insulation R-3	Mech. System Pipe Insulation R-3	Manual J or S	Whole-House Mech. Ventilation	75 % High Efficacy Lighting
Prescriptive	x				x	x	x	x		x	x	x	x	x	x	x
Total UA		x			x	x	x	x		x	x	x	x	x	x	x
Performance			x		x	x	x		x	x	x		x	x	x	x
ERI	x			x	x	x	x		x	x	x		x	x	x	x

* Prescriptive

Table N1102.1.1 [Insulation and Fenestration Requirements] for Climate Zone 5A

Fenestration U-Factor	Skylight U-Factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value & Depth	Crawl Space Wall R-Value
0.32	0.55	38	20 or 13+5	13/17	30	10/13	10, 2 ft.	15/19

Table N1102.1.3 [Equivalent U-Factors] for Climate Zone 5A

Fenestration U-Factor	Skylight U-Factor	Ceiling U-Factor	Frame Wall U-Factor	Mass Wall U-Factor	Floor U-Factor	Basement Wall U-Factor	Crawl Space Wall U-Factor
0.32	0.55	0.030	0.057	0.082	0.033	0.059	0.055

*** Mandatory**

- N1101.16 Certificate [R401.3]** (provided by Building Official at the time of Rough-In inspection)
- N1102.4.1.1 Installation [R402.4.1.1]** (the components of the building thermal envelope [Table 1102.4.1.1] shall be installed in accordance with manufacturer's instructions.)
- N1102.4.2 Fireplaces [R402.4.2]** (wood burning masonry fireplaces shall have tight-fitting flue dampers and outdoor combustion air)
- N1102.4.3 Fenestration air leakage [R402.4.3]** (windows, skylights, and sliding doors; no more than 0.3 cfm per sf. Swinging doors no more than 0.5cfm per sf.)
- N1102.4.4 Recessed lighting [R402.4.4]** (recessed luminaires in the building envelope shall be sealed to limit air leakage between conditioned and unconditioned)
- N1102.5 Maximum fenestration U-factor and SHGG [R402.5]** (the area-weighted average maximum fenestration U-factor permitted using tradeoffs)
- N1103.1 Controls [R403.1]** (at least one thermostat per each separate heating and cooling system)
- N1103.1.2 Heat pump supplementary heat [R403.1.2]** (heat pump thermostat installed on heat pumps that limit supplemental electric-resistance heat)
- N1103.2.2 Sealing [R403.2.2]** (ducts, air handlers, and filter boxes shall be sealed)
- N1103.2.3 Building cavities [R403.2.3]** * (building cavities shall not be used as ducts or plenums)
**state of Michigan 2012 mechanical code does not recognize this change so cavities may be used as ducts or plenums however this may affect other tests*
- N1103.4.1 Circulating hot water system [R403.4.1]** (must have an automatic or readily accessible manual switch that can turn off the circulating pump when not in use)
- N1103.5 Mechanical ventilation [R403.5]** (must have a continuous whole-house mechanical ventilation system)
- N1103.6 Equipment sizing [R403.6]** (heating and cooling equipment shall be sized in accordance of ACCA Manual S or Manual J heating and cooling calculations)
- N1104.1 Lighting equipment [R404.1]** (a minimum of 75% of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps)
- N1104.1.1 Lighting equipment [R404.1.1]** (fuel gas lighting systems shall not have continuously burning pilot lights)