



Bloomfield Township Building Division
P.O. Box 489 4200 Telegraph Road
Bloomfield Hills, MI 48303-0489
Phone (248) 433-7715 ■ Fax: 433-7729
Inspection Line (248) 594-2818
Website: <http://www.bloomfieldtwp.org>

RESIDENTIAL NEW CONSTRUCTION PLAN REVIEW CHECKLIST

This list is provided as a guide to help you understand the information that must be contained on the construction drawings. This list is not all-inclusive of all building codes but is used as a general guide for plan review. Please address the following items marked with an "X" in the box and submit needed revisions. **Show all revisions with a cloud.**

General

- All construction documents shall be submitted in triplicate
- All drawings shall be completely dimensioned
- Drawn to scale not less than 1/8" = 1'0"
- Drawings must be clear and legible
- Drawing shall be prepared on sheet paper size no larger than 24" x 36".
- Complete scope of work must be clearly identified for all phases of construction, indicating compliance with Michigan Residential Code 2009 and 2009 Michigan Uniform Energy Code on the plan.
- Architect or Engineer Certification is required for buildings 3500 square feet or larger.
- Structural Certification may be required depending on the project complexity.
- All construction sites are required to be maintained in a safe condition and to be protected from unauthorized entry. All excavations exceeding 24 inches in depth, such as for basements, crawl spaces, pools, and spas must be secured through the use of a 4' high fence. Construction type fencing will be allowed for a period not to exceed 30 days. At such time, should the permitted work still physically be unable to be protected and secured, a chain link fence is required to be installed and must remain in place until its removal has been authorized by the Building Official. **2009 MRC-R104.1 & 2009 MBC-Chapter 33.**

Grading Plans

Required for all new construction sites proposed for development and for any major grade change. See the Grading Plan Review Checklist for additional information. Note: Grading plan and architectural proposed elevation must match.

Foundation Plan

- Foundation type showing width and depth, also indicating lead walls where needed and joining dowels.
R401
- Footing and column support pad with layout.
- Beam size and column spacing.
- Size of support for all bearing walls and point loads above.
- Framing at stair, fireplace, cantilevers, etc.
- Floor joist direction, size, spacing and span **R502**



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Foundation Plan continued

- Basement floor thickness, vapor barrier and 4" stone base. **R506**
- Walkout and/or daylight wall areas with type and size of construction.
- Crawl space size and location.
- Show ground water control indicating gravity discharge or sump pump location. **R405**
- Mechanical equipment location indicating high efficiency or not and required floor drain. **M1411.3**
- Concrete-encased electrodes are to be identified on the plans. **E3508.1.2**

Floor Plans

- Basement, Attic Storage, Bonus Room, 1st and 2nd Floor
- Intended use of each room or space
- Floor joist direction, size, spacing and span. **R502**
- Roof framing direction, size, spacing and span. **R802**
- Size and location of all support for bearing walls and concentrated load points.
- Stairway locations with direction arrow and number of risers. **R311.5**
- Location of all required smoke detectors. **R314**
- Location of all required carbon monoxide alarms. **R315**
- Layout of kitchen, bath, laundry.
- Show all required access openings, calling out sizes. **R807/R408.3**
- All sleeping rooms shall have at least one operable window or exterior door approved for emergency egress escape and rescue clearly shown on drawings. Basements with areas of habitable space and areas of sleeping rooms shall meet emergency egress requirements. **R310**

Garage

- Floor thickness. **R506**
- 4 inch compacted sand base/vapor barrier.
- Over-dig slab support.
- Slab thickness and slope direction arrow. **R309.3**



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Roof Framing

- Identify the location, direction, size, spacing and span of all roof and ceiling frame members. **R802**
- Identify all concentrated load points from ends of hip and valley rafters, ceiling joists, rafters, trusses, girder trusses, beams.
- Identify roof pitch for all portions of the roof and ceilings.

Building/Wall Section Details

Depending on the complexity of your project, more sections or details may be required.

- Footing and basement wall size, type and heights. **R401**
- Foundation wall damp proofing, **R406.1** waterproofing, pea stone, 4 inch sock drain tile or fabric material over stone bed. **R405**
- Back fill material type and finish grade elevation. **R406.3.3**
- Sill seal and treated sill plate. **R317.1**
- Anchor bolt size and spacing. **R403.1.6**
- Floor joist and sub-floor framing size, type.
- Wall framing size, type, spacing and height including header sizes. **R602.7**
- Insulation R-Values for bond, wall, ceiling locations, floors over unconditioned spaces and under slab where required.
- Interior finish drywall size, type including garage walls and ceiling. **R309.2**
- Exterior sheathing size, type, including house wrap. **R703.2**
- Indicate fire stopping and sealing per MRC 2009. **R602.8**
- Roof construction details, size, type, sheathing, **R802** felt paper, ice and water shield, shingles, drip edge. **R905**
- Location, size, type, amount of attic ventilation, to shown and proven with calculation. Also crawl space ventilation. **R408 & R806**
- Brick veneer, size, type, weather-resistive barrier, brick wall ties, flashing, and weep holes 33 inches on center. **R703**



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RESIDENTIAL NEW CONSTRUCTION PLAN REVIEW CHECKLIST

2009 Michigan Uniform Energy Code continued

- Provide documentation showing compliance 2009 MUEC 401.2
- Energy star requires: Thermal Bypass Checklist and energy seal 1 at rough frame inspection; certification required with insulation certification. All homes require an approved air infiltration certification prior to the rough frame inspection and a second certification after the drywall installation to be submitted prior to scheduling the final building inspection. Blower door and duct blaster listing completed and approved prior to final building inspection.
- Upon final inspection certification to be provided as outlined. 2009 MUEC 401.3
- Fireplace doors to comply with 2009 MUEC 402.4.3

Stair Details

- Stinger size and quantity. **R311.5**
- Tread width **R311.5.8**
- Riser material and height. **R311.5**
- Handrail detail. **R311**
- Baluster and guardrail detail for all stairways, calling out material and spacing. **R312**
- Under stair protection **R302.7**

Window/Door Schedule

- Sizes **R310**
- Locations
- Type and fire rating of door separating garage and house. **R302.5.1**
- Egress windows labeled, also call out size of window well if needed. **R310**
- Safety or tempered glazing in required areas must be labeled. **R308**
- Window sill height **R612.2**

Masonry Fireplace Detail

- Footing
- Flue size and material



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Masonry Fireplace Detail continue

- Hearth depth, width and means of support **R1001.9**
- Hearth extension, size **R1001.10**
- Call out type of fireplace to be installed, masonry/insert/prefab gas log unit.
- Material used for chimney chase. **R1003**
- Height of chimney above roofline. **R1003.9**
- Fireplace doors to comply with **MUEC 402.4.3**

Building Elevations

- Front, sides and rear elevation showing all retaining walls
- Façade material, window and door locations.
- Existing and proposed grade elevations that matches proposed elevations on site plan, also include building height calculations, **as shown on sample A.**
- Floor elevations.

A separate permit is required for all ground-mounted mechanicals.

Please note revisions to construction documents shall be clouded, data and resubmitted in full sets

RW = Retaining Wall

NS = Not shown

ZBA = Zoning Board of Appeals

NI = Not Indicated



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RESIDENTIAL NEW CONSTRUCTION PLAN REVIEW CHECKLIST

ORDINANCE

- Provide subdivision association comments on site plan and elevation of plans presented to Bloomfield Township for plan review, with all dates corresponding to current set.
- Dimensions of property lines are inaccurate provide revisions.
- Provide a full dimensioned engineered site plan
- Construction/foundation plan must agree.
- Proposed floor plan has not met the intent of the ordinance.
- Provide existing elevations for proposed addition.
- Proposed does not meet minimum floor area per unit required by ordinance.
- Provide dimension from lot to proposed building.
- Provide average lakefront setbacks.
- Provide average front yard setbacks for the proposed block along proposed street side only.
- Architectural projections(s) exceed maximum projection into required yard.
- A common roofline is required.

The following requires possible approval from the Zoning Board of Appeals:

- Encroachment(s): Required yard, lakefront, natural feature.
- Insufficient lot frontage
- Insufficient lot square footage
- Proposed exceeds the maximum 30 percent lot coverage
- Height of proposed exceeds the 30 foot allowed
- Retaining walls – See Bloomfield Township Ordinance NO. 42-5.10.
 - Provide top and bottom wall elevations with cross section detail of the proposed wall construction identifying material type and dimensions drawn to scale.
- Accessory Use.
 - Accessory structure: Bloomfield Township Ordinance NO. 42-5.1. Ground mounted mechanical or electrical equipment (AC and Generators)
 - Second Dwelling
 - Open, unenclosed paved terrace may project into a front yard for a distance not exceeding 10 feet.
 - Other _____
- Natural feature issues.
- Future compliance issues.



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BUILDING INSPECTION LIST

Notice – Inspections are permit specific and are dependent on the scope of the work. This is a partial list of possible required inspections. It is the responsibility of the permit holder to ensure that all work is inspected prior to covering. This list is to be used as a guide.

- 1 Site inspection
- 2 Sanitary sewer tap*
- 3 Storm sewer*
- 4 Water service*
- 5 Open trench (basement)
- 6 Open Rail
- 7 Foundation/basement walls & drains – before backfill & requires Foundation Certificate
- 8 Open trench (i.e. garage, porch, post holes for decks)
- 9 Underground & rough plumbing & shower pan*
- 10 Underground heating (before sand inspection)
- 11 In-floor radiant heat (after sand inspection & before concrete pour)
- 12 Rough HVAC
- 13 Rough pre-fab fireplace
- 14 Underground electric
- 15 Rough electric
- 16 Rough fire alarm
- 17 Rough fire suppression (Any associated required tests and inspections)
- 18 Gas pressure test
- 19 Brick flashing inspection (can be at time of rough frame)
- 20 Sheathing (can be at time of rough frame)
- 21 Rough Frame (includes deck frame as required)
- 22 Compaction inspection (basement, garage, porch. Not exterior slabs on grade)
- 23 Deck ledger flashing (called at various times)
- 24 Insulation (Certification Required)
- 25 Damper
- 26 Final plumbing
- 27 Final HVAC
- 28 Final pre-fab fireplace
- 29 Final gas line
- 30 Final electrical
- 31 Final Grade (requires final grade certificate)
- 32 Final fire alarm
- 33 Final fire suppression (any associated required test and inspections)
- 34 Final building
- 35 Change of Occupancy:
A. Plumbing B. HVAC C. Electric D. Building
- 36 Backflow preventor (irrigation systems)
37. Steel (pools)
38. Light niche (pools)
39. Sidewalk (signs)

BUILDING INSPECTION LIST

*Separate permits are required for Electrical, Plumbing, Irrigation, Heat & A/C, Water/Sewer Installation and Generators.

24 HOUR NOTICE REQUIRED FOR INSPECTION

All inspection fees are based upon inspections made during normal office hours of 7 AM to 5:30 PM, Monday through Thursday, except for holidays observed by the Township. All inspections must be called in by 5 PM at least one working day prior to the requested inspection date. Any inspections performed outside the normal office time may be charged special inspection fees at one and one half times the standard inspection rate.

Inspection Line: (248) 594-2818 is available 24 hours a day 7 days a week and is monitored during normal business hours. Inspections called in Saturday or Sunday will be scheduled for the following Tuesday.

Do not ask for an inspection request unless the job is ready, otherwise a re-inspection fee may be required. Partial inspection will be an additional fee also. Re-inspection fee(s) must be paid before a re-inspection can be scheduled. Contractor **MUST** have the permit number and a job address to schedule an inspection. Inspection times may not be requested due to time constraints.

All disciplines (Electrical, Plumbing and Mechanical) permits must be inspected and approved **PRIOR** to scheduling the rough frame and final building inspections.

One set of approved plans must be at the job site at all times. The inspector may not inspect work if the plans are not available.

Final Building inspection approval **DOES NOT** grant permission to occupy space. All building permits require a Certificate of Occupancy to be issued **PRIOR** to moving in.



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GRADING PLAN REVIEW CHECKLIST

This list is provided as a guide to help you understand the information that must be contained in the grading plan. This list is not all inclusive of all building codes but is used as a general guide for plan review. Please address the following items marked with an "X". These comments should be given to the State Licensed Civil Engineer or Surveyor to make correct revisions to your plans.

GENERAL

- Grading plans shall be submitted in triplicate to the Building Division for review.
- Plans shall be prepared neatly and accurately on a minimum 24"x36" or 18"x24" sheet paper.
- Plans shall be prepared, signed and sealed by a Civil Engineer or Surveyor registered in the State of Michigan. They shall also be dated current to the year prepared for building permit submittal, not to exceed one (1) year.
- A tree preservation survey is required to be included on the site plan as required by: Bloomfield Township **Ordinance NO. 42-5.14**
- Legal description of the property and a statement affirming that the property has been surveyed and boundary corners of the property have been marked by placing permanent points at each corner of the property.
- North point compass.
- Drawn to scale of not less than 1" = 20'.
- Exact dimensions of the property including bearings and distances as described in the legal description.
- Proper relation of the subject property with all abutting property lines.
- Street names and property addresses. **(Lot number is insufficient)**
- Location of the proposed building shall be clearly shown and shall include tie dimensions to the front, side and rear property lines.
- Outline footprint of all existing on-site features (i.e. accessory structures, buildings, driveways, fences, retaining walls, etc.). Existing developed sites proposed for demolition may be required to be cleared of all existing features. Intent of each feature shall be identified and clearly noted, "To be demolished and removed from the site" or "To remain on site without change". Each feature will be reviewed for ordinance conformity. Zoning Board of Appeals approval may be required to retain existing on-site features.
- Setback dimensions for building envelope as per Bloomfield Township Ordinance NO. 42-3.1 & 3.6.



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GRADING PLAN REVIEW CHECKLIST

ELEVATIONS

- Proposed finished first floor elevations shall not exceed the average finished first floor elevations taken from the immediate adjacent homes to the proposed site for development. Both sides if available.
- Proposed brick ledge elevations shall not exceed the average existing brick ledge elevations taken from the immediate adjacent homes to the proposed site for development.
- Grading plan shall clearly identify extent of all proposed grade changes in relation to the existing established grade elevations and adjacent properties.
- Proposed grade cut to allow for a “forced” walk-out basement, shall be properly designed and detailed to control its surface runoff by means of an independent drainage system separate from the building foundation drainage system. Independent mechanical sump pump or gravity system shall discharge into an approved location.
- Forced walkouts and/or daylight basements proposed for development will be reviewed individually to determine feasibility. Total cubic yards of soil proposed for cut and/or fill shall be shown on the proposed grading plan with section detail identifying top and bottom elevations and slope.
- Location of retaining walls with top and bottom elevations. Provide section detail of the proposed wall construction identifying material type and dimensions drawn to scale.
- Elevations shall be based on U.S.G.S. datum. Benchmark locations for the work shall be indicated on the plan with its proper elevation.
- Existing grade elevations shall be shown as 50 foot on center pegged elevations across the entire property and not less than 50 feet outside the perimeter of the property lines.
- Proposed grade elevations shall be shown as 2 foot on center contour lines across the entire property. The proposed shall overlay the existing elevations.
- Proposed brick ledge elevations (PBL) shall be shown around the entire foundation perimeter footprint and at points of building corners.
- Existing brick ledge elevations (EBL) shall be shown at corners of each existing principle building on adjacent properties to the site of proposed development.
- Proposed finished floor elevations shall be identified (Finished first floor, finished basement floor and finished garage floor).
- Existing finish floor elevations of the existing principal building on site proposed to be demolished shall be shown.
- Existing finish floor elevations of each principle building on adjacent properties to the site proposed for development.
- Proposed foundation perimeter footprint dimensions properly corresponding with the proposed building foundation plan.



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GRADING PLAN REVIEW CHECKLIST

DRAINAGE

- In no way shall surface runoff be directed so as to adversely impact adjacent properties with a flooding condition. The grading plan should continue as far as a storm sewer outlet or other natural outlet point of discharge to assure proper control of surface runoff. Surface runoff shall be diverted to a storm sewer or other approved point of collection so as not to create a flooding condition.
- Swales, ditches, drainage easements, catch basins, pipes and/or other points to which surface runoff is to be directed and controlled. Centerline elevations, drainage direction arrows, pipe sizes with invert elevations shall be clearly identified.
- Lots shall be graded so as to direct surface runoff away from foundation walls. The grade away from foundation walls shall fall a minimum of 6 inches within the first 10 feet. Where lot lines, walls, slopes or other physical barriers prohibit 6 inches of fall within 10 feet, drains or swales shall be provided to ensure drainage away from the structure.
- Driveway perimeter edge elevations shall show proper control of surface runoff protecting the building foundation and the adjacent properties from flooding. Driveways that are proposed to extend to a property line edge shall be designed so as to control runoff by means of a minimum 6 inch high curb with gutter, a driveway centerline swale or catch basin structured designed with a minimum 2 foot sump and pipe to direct runoff into an approved discharge location.
- Sump pump and roof gutter downspout discharge locations. Maintain a minimum distance of 3 feet away from the building foundation and 20 feet away from a property line. Discharge shall be directed into an approved location (i.e. swale, pipe ditch line and/or storm sewer if available).

UTILITIES

- Location and sizes of all existing and/or proposed utilities underground and overhead including manholes, hydrants, water, sewer, storm, electric, gas, etc.
- Location and sizes of water and sewer connections into building foundation.
- Location and sizes of existing and/or proposed septic system and/or well.
- Location and widths of all existing and/or proposed rights-of-way and/or easements and all abutting streets and alleys
- For single-family residential districts, ground mounted mechanical or electrical equipment shall be permitted in any rear yard when placed immediately adjacent to the residential building. Said equipment may be permitted in any side yard when placed immediately adjacent to the residential building. The equipment shall not be located in the required 16 foot side yard setback. Said equipment in side yards shall be screened from view by a screen wall consisting of materials identical to those used on the main building or, through the use of evergreen plant material at least the height of the equipment (screen wall) and located at the point of placement of the equipment. Screen walls, other than vegetative screen walls, shall not be located in the required 16 foot side yard setback as measured from the side lot line. It is understood that separate permits are required and to be obtained by others.



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GRADING PLAN REVIEW CHECKLIST

NATURAL FEATURES

- Existing natural features such as, watercourses, river, lake or stream, high waters edge elevation, wetland edge and flood plain base elevation shall be identified on the site plan. All natural features shall be protected, identify on the site plan and denoting in the field the "Area of No Disturbance" including installation of a silt fence and establishment of a minimum 25-foot buffer zone. Flood plain base elevation, Natural Features and wetland edges shall be flagged on site for site inspection. See Natural Features Setback, Bloomfield Township Ordinance NO. 42-5.13.
- Water front properties proposed for development shall be prepared by and bear the signature and seal of the registered professional. Dimensions shall be taken from the closest point between the water's edge and the furthest projection of the principle building. All dimensions and calculations shall be shown See Bloomfield Township Ordinance NO. 42-5.13. Waterfront setbacks.

SOIL EROSION

- Silt fence location, installation details and timing sequence of re-establishment of permanent vegetation.
- Temporary gravel driveways shall be a minimum 16' X 40' area of crushed concrete; location must be indicated on site plan. Access to the building site shall be large enough to accommodate for all construction traffic. Site access shall be maintained throughout all construction phases, also a copy of Oakland County Road Commission driveway permit.
- You must obtain and supply Bloomfield Township's Building Division with an Oakland County Soil Erosion Permit and show silt fence location around the entire perimeter of proposed areas of soil disturbance.

Note: A pre-site inspection is required before your permit can be issued.

Application # _____



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Permit # _____

Application Date _____

Issue Date _____

APPLICATION FOR RESIDENTIAL BUILDING PERMIT

To the Township Building Official: The undersigned hereby applies for a permit to build, construct, remodel, and occupy, or to install according to the following statement and further agrees to maintain the property, while under construction, in accordance with all the Codes of the Charter Township of Bloomfield.

Property Owner: _____ Phone: _____ Fax: _____

E-mail: _____ Address: _____ City: _____

State: _____ Zip: _____

Builder: _____ Contact: _____ Phone: _____

Fax: _____ Address: _____ City: _____

State: _____ Zip: _____ Email: _____

Architect: _____ Phone: _____

E-mail: _____ Fax: _____

Lot No.: _____ Subdivision: _____

Building Site Address: _____ Sidwell # (19) _____

Area Zoned: _____ Type of construction: _____

ZBA variance required? Yes No Date variance granted _____

Subdivision Association Comments? Yes No Estimated construction cost _____

Check one: New building Addition Remodeling Demolition Other

Construction Description: _____

Residential – Attach three (3) sets of building plans, including site plans, DRAWN TO SCALE.

*Plan Review for Site & Landscaping to be completed by administration.

Soil erosion control installed? Yes No Crushed concrete driveway installed? Yes No

Property identified by address at site? Yes No



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APPLICATION FOR RESIDENTIAL BUILDING PERMIT - 2

STATE OF MICHIGAN REQUIRED INFORMATION

Builder's License # _____ Expiration Date: _____

Federal employer I.D. # or reason for exemption: _____

Worker's Comp. Insurance carrier or reason for exemption: _____

MESC Employer # or reason for exemption: _____

Property identified by address at site? Yes No

Does property contain: Wetlands, floodplain or natural features? Yes No

Does structure to be removed contains, hazardous material, etc? Yes No

A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within 180 days after issuance of the permit or if the authorized work is suspended or abandoned for a period of 180 days after the time of commencing the work. A PERMIT WILL BE CLOSED WHEN NO INSPECTIONS ARE REQUESTED AND CONDUCTED WITHIN 180 DAYS OF THE DATE OF ISSUANCE OR THE DATE OF A PREVIOUS INSPECTION. CLOSED PERMITS CANNOT BE REFUNDED.

"Section 23a of the Michigan 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 able to perform work on a residential building or a residential structure. Violators of Section 23a are subject to civil fines."

Signature of Applicant _____ Date: _____

Property Owner:

*During the course of this project a variety of inspections will take place on each of the associated permits, including **final** inspections upon completion. Occasionally, contractors/homeowners overlook the scheduling of final **building, electrical, mechanical, and plumbing** inspections when work is completed. The permits then remain open and ultimately **expire**, which may cause unnecessary difficulties for the permit holder/homeowner. The Building Division would like to help you bring your project to a successful completion. To ensure the scheduling of necessary inspections, please work closely with your contractor.*

Signature of Owner _____ Date: _____

Office Use Only

Registration Fees: _____ Application Fee: _____

Plan Review Fee: _____ Permit Fee: _____ Square Ft including garage: _____

Issued/Approved by: _____ Date: _____



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Permit # _____

APPLICATION FOR PERMIT

Issue Date _____

ELECTRIC

PLUMBING

SEWER

Address of job _____

Lot # _____ Sub. _____ Section _____

Applicant _____ Phone _____

Email _____ Fax _____

Address _____ City _____ State _____ Zip _____

Property Owner _____ Phone _____

New Building Addition Remodeling Repairs Replacement Other _____

Electrical: Plans are required for all buildings using over six (6) circuits before a permit is issued for electrical work.

Mechanical: A/C condenser location – **No Front Yard Installations**

Rear Yard Side Yard (requires screening & site plan) Number of units _____

Mech. Equipment Type Hydronic Forced Air Boiler Number of units _____

Mechanical classifications 1 2 3 4 5 6 7 8 9 10

Generators: See Generator Application Process.

Sewer Contractors: A current ten thousand dollar (\$10,000) surety bond must be posted on a Township form (copies not acceptable). Bonds expire at end of each calendar year.

Remarks _____

Zoning Board of Appeals required for work being performed ? **YES / NO** Date granted: _____

STATE OF MICHIGAN REQUIRED INFORMATION:

License Number _____ Issued by _____ Exp. Date _____

Federal Employer ID number or reason for exemption _____

Workers Comp Insurance Carrier or reason for exemption _____

MESC Employer number or reason for exemption _____

A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within 180 days after issuance of the permit or if the authorized work is suspended or abandoned for a period of 180 days after the time of commencing the work. A PERMIT WILL BE CLOSED WHEN NO INSPECTIONS ARE REQUESTED AND CONDUCTED WITHIN 180 DAYS OF THE DATE OF ISSUANCE OR THE DATE OF A PREVIOUS INSPECTION. CLOSED PERMITS CANNOT BE REFUNDED.

“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 subjected to civil fines.”

Signature of Applicant _____ Date _____



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Bloomfield Township Building Division Foundation As-Built Certification

Patti Voelker, Building, Planning & Ordinance Director

Prior to scheduling the backfill inspection, three (3) copies of the approved grading plan shall be provided to the Building Division for review and approval. This document, referred to as a Foundation as-built certification shall bear the seal, signature and date of the original design professional who prepared the document and shall also include as-built information regarding the following:

- TOP OF BASEMENT WALL ELEVATION
- TOP OF BASEMENT FOOTING ELEVATION
- BUILDING BRICKLEDGE ELEVATIONS
- BUILDING PERIMETER FOOTPRINT DIMENSIONS
- BUILDING SETBACK DIMENSIONS TO PROPERTY LINE

Once this document is received, an immediate review, comment, required revision, or approval will follow. Reasons for any deviation from the original approved plan shall be submitted in writing to the Building Division for consideration and approval, and is to be signed and dated by the permit holder. All engineering log reports shall be included for the Building Division record.

Additional review may be required by: Bloomfield Township Board of Trustees, Zoning Board of Appeals, and Bloomfield Township's Engineering consultant. Additional fees shall be required for the above mentioned reviews.

Once certification has been approved, the back-fill inspection may be scheduled through the Building Division. The following building site conditions will also be reviewed at the time of this inspection and must be met for inspection approval:

- Site address in clear view
- Soil erosion measures properly installed
- Street Surface maintained in a clean condition

Building Site Address

Building Permit Number

Print Permit Holder

Permit Holder Signature

Date



Bloomfield Township
 P.O. Box 489 4200 Telegraph Road
 Bloomfield Hills, MI 48303-0489
 Phone (248) 433-7715 ■ Fax: 433-7729
 Inspection Line (248) 594-2818
Website: <http://www.bloomfieldtp.org>

SURETY BOND

KNOW ALL MEN BY THESE PRESENTS: That we _____
 _____ As principal, and _____

As sureties, are held and firmly bound unto the Township of Bloomfield, Oakland County, Michigan, a Municipal Corporation, in the sum of Ten Thousand (\$10,000) Dollars, lawful money of the United States of America, to be paid to said Township of Bloomfield Township, Oakland County, Michigan, or to its certain attorney or assignee, to which payment will and truly to be made, we bind ourselves, our heirs, executors, administrators or assigns, and each and every one of them firmly by these presents.

Sealed with our seals, dated the _____ day of _____, 20__.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT, WHEREAS: the above bonded
 _____ has on this _____ day of _____, 20__

Applied to and received a license as Sewer Builder in connection with the installation of public or private sanitary sewer systems in said Township.

Now, therefore, if the said _____ shall honestly and faithfully perform and discharge all the singular obligations and requirements under the Michigan State Plumbing Code, or any amendment thereto, in the manner and time set forth in said Code governing construction of connections to sanitary and storm sewer systems, and also indemnify and hold harmless said Township of Bloomfield, and Township board of said Township of Bloomfield from all claims, damages, suits, and actions of any kind and description, on account of any act, or omission, or negligence of said obligors in carrying out said provisions of said Code whether resulting from the use of improper materials, faulty construction, or failing to properly protect said work, or in properly providing for the safety of their employees, or in any other way and will fully and in each and every particular job, carry out and perform each and every agreement and obligation in said Code, or any amendments thereto, then this obligation to be void, otherwise to remain in full force and effect.

SIGNED, SEALED & DELIVERED in presence of:

Please print names under Signature line

 Witness

 Insurance Company

 Witness

 Excavation Company

 Contact Person

Expiration Date:
December 31, 20__
 Driver's License # _____

 Address

Excavator/Company Owner
 Signature of Excavation Owner

 Telephone Number

(X) _____



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Erosion Control

I, _____, in applying for Building Permit Number _____, for residential/commercial construction, have been advised of the Township's requirements to:

- Install proper erosion controls on the entire site to be inspected and approved by the Township Building Division prior to the issuance of a building permit. It will be my responsibility to maintain erosion controls at all times throughout the construction period and/or until permanent landscaping has been installed. Permanent vegetation must be installed per ordinance prior to the final building inspection.
- Install a driveway base for proposed driveway, which is wide enough to allow ingress and egress of construction equipment to the building site. The driveway base must be in place and inspected by the Township's Building Division prior to the issuance of a building permit. I understand that the continual maintenance of this access drive must be maintained at all times throughout the construction period.
- Mud, dirt or other debris in the road and/or at the building site must be cleaned at the end of each workday. Road maintenance must be completed on all streets that may allow ingress and egress to said building site. Spills that are deemed dangerous to traffic will be cleaned up immediately.
- The placement of proper and adequate trash receptacles are to be located on each building site prior to the start of construction. Such receptacles must be maintained and emptied on a regular basis to ensure that all forms of litter and building debris is removed and disposed of properly at the end of each workday.
- Burning, of any nature, is prohibited in Bloomfield Township.

I understand that if compliance of Township requirements is not met, an appearance ticket may be issued and/or a stop work order may be imposed. I do agree to comply with the above mentioned regulations during the entire construction period.

Building Site Address

Owner Name

Address

Telephone No.

Company Name

Contractor Name

Address

Telephone No.

Signature

Date



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 Permit #

 Issue Date

APPLICATION FOR MECHANICAL PERMIT

Address of Job _____ Lot # _____ Sidwell # _____
 Subdivision _____ Applicant/Contractor _____
 Email _____ Telephone _____ Fax _____
 Address _____ City _____ State _____ Zip _____
 Property Owner _____ Telephone _____

- New Construction Addition Remodel Repairs Replacement Generator
Fee No. Amount

<u>Application Fee</u>	\$20	_____	_____
<u>New Construction</u>			
New Construction (one furnace, one A/C w/duct work*)	170	_____	_____
Each additional furnace	80	_____	_____
Each additional A/C*	50	_____	_____
Prefab fireplace	100	_____	_____
Gas-line	80	_____	_____
<u>Addition/Alteration/Replacement</u>			
Single item inspection	50	_____	_____
Installation of furnace and/or A/C per unit*	50	_____	_____
Duct alterations	80	_____	_____
Prefab fireplace	100	_____	_____
Gas-line (provide pressure test)	80	_____	_____
A/C unit added to existing furnace *	50	_____	_____
Processed Piping	120	_____	_____
Boiler installation (must provide boilers license)	50	_____	_____
Fire suppression/Kitchen hood suppression	100	_____	_____
Self-contained HVAC units, per unit	50	_____	_____
Re-inspection Fee	50	_____	_____
Mechanical Registration	5	_____	_____
Administration Fee	20	_____	_____
<u>Commercial Fees</u> – Assessed at plan review by the inspector – Minimum	100	_____	_____
Description _____			
Total Due		\$	_____

*Indicate exterior equipment location: Rear Yard Side Yard Front Yard Roof
 For equipment locations you must provide a detailed site plan indicating all streets, lot lines, orientation of home, equipment location, setback distance from property line(s), distance from wall of building to equipment, screening requirements (placement, material and height) & subdivision comments. Please note that all equipment must be screened from view per the Codes of the Charter Township of Bloomfield, Chapter 42, Article IV, Sec. 42-5.1. Final inspection will not be approved until screening is installed.

Applicants Signature _____ Date _____ Company Name _____



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APPLICATION FOR MECHANICAL PERMIT - 2

STATE OF MICHIGAN REQUIRED INFORMATION

License # _____ Issued by: _____ Expiration Date: _____

Federal employer I.D. # or reason for exemption: _____

Worker's Comp. Insurance carrier or reason for exemption: _____

MESC Employer # or reason for exemption: _____

A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within 180 days after issuance of the permit or if the authorized work is suspended or abandoned for a period of 180 days after the time of commencing the work. **A PERMIT WILL BE CLOSED WHEN NO INSPECTIONS ARE REQUESTED AND CONDUCTED WITHIN 180 DAYS OF THE DATE OF ISSUANCE OR THE DATE OF A PREVIOUS INSPECTION. CLOSED PERMITS CANNOT BE REFUNDED.**

"Section 23a of the Michigan 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 able to perform work on a residential building or a residential structure. Violators of Section 23a are subject to civil fines."

Signature of Applicant _____ Date: _____

Company Name _____



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REQUEST FOR WATER AND/OR SEWER SERVICES

Owner Name _____

Service Address _____

Phone _____ Fax _____

Email _____

The property is currently served by: Public Water Public Sewer None

Property Use: Residential Commercial

Has an application for a Building Permit been or will be submitted? Yes No

If so, the building activity on the property will be permitted for:

New construction Addition/Expansion Re-development

Other _____

Water Service Request: Yes No

Identify the size of water service: 1-in. 1 1/2-in. 2-in. ____ in.

Identify the size of water meter 1-in. 1 1/2-in. 2-in. ____ in.

Identify size of secondary meter (optional) 1-in. 1 1/2-in. 2-in. ____ in.

Identify size of the fire protection line (commercial): 2-in. 4-in. 6-in. ____ in.

Will the existing water service location be used for redevelopment? Yes No Unknown

Sewer Service Request Yes No

Identify type of sewer connection: New connection Re-use existing connection

Identify type of connection: Sewer lead Manhole tap Sewer tap

Please specify any other request for services not listed above

Services requested by: _____ Date _____

If requester is not the property owner, please complete the following:

Name _____

Address _____

Phone _____ Fax _____

Email _____



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PLEASE BE ADVISED

The following sealed and signed documents will be required as noted:

- Prior to Backfill Inspection (or Sand Inspection for slab-on-grade) – *Foundation Certification* identifying the location of the building on the property, as well as elevations for brick ledges, top of footing, and if applicable, top of foundation wall.
- Prior to Final Grade Inspection – *Grade Certification* identifying as-built grade elevations at all locations cited on the approved site plan.
- Prior to Final Building Inspection – *Landscape Certification* stating that all required landscaping has been installed in accordance with the approved landscape plan and/or Zoning Board of Appeals resolution.



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SCHEDULE OF BUILDING PERMIT FEES

New Residence – Addition & Alteration	\$.70 sq. ft.
Final grade inspection	50.00
Temporary certificate of occupancy	25.00
Full certificate of occupancy	25.00
Accessory Structures (including fences)	
Swimming pools	\$.40 sq. ft.
Decks up to 300 sq. ft.	80.00
Decks over 300 sq. ft.	.40 sq. ft.
Minimum permit fee	120.00
New Commercial & Additions – Interior Renovations	\$.69 sq. ft.
Shell only	.42 sq. ft.
Interior “build-out”	.27 sq. ft.
Signs – wall or ground	80.00
Foundation only	200.00
Demolition	200.00
Change of occupancy	500.00
Partial inspection request	50.00
Re-inspection fee	50.00

Effective January 1, 2006



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SCHEDULE OF ELECTRICAL PERMIT FEES

Application fee	\$ 20.00 +
New construction - residential over 3,500 sq. ft.	\$375.00
New construction - residential up to 3,500 sq. ft.	250.00
Single item, one (1) inspection	\$ 50.00
Additions/Alterations (two (2) inspections required)	100.00
Swimming pool (three (3) inspections required)	120.00
Fire/smoke alarm (two (2) inspections required)	80.00
Sign (sidewalk & final inspection required)	80.00
Re-inspection fee	50.00
Commercial fees – Assessed at plan review	\$ 80.00 minimum
Electrical registration (annual)	\$ 5.00
Administration fee (annual)	20.00

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SCHEDULE OF PLAN REVIEW FEES

New Residence & Addition/Alterations	\$.09 sq. ft.
Application fee	250.00+
Plus consultant review fee pursuant to the Codes of the Charter Township of Bloomfield, Chapter 2, Article V. Division 2, Sec. 2-111. (if applicable)	
Site/Certificate grade review	50.00
Revision fee (at 3 rd review request)	100.00
Revision fee after plans have been approved	50.00
New Commercial & Addition/Interior Alterations	\$.10 sq. ft.
Application fee	500.00+
Plus consultant review fee pursuant to the Codes of the Charter Township of Bloomfield, Chapter 2, Article V. Division 2, Sec. 2-111 (if applicable)	
Plus Electrical plan	25.00+
Plus Mechanical plan	25.00+
Plus Plumbing plan	25.00+
Plus Fire Department plan (Fire Marshal)	50.00+
Accessory Structures	
Decks, fences, pools, signs and others	\$ 30.00
Special Engineering Review Deposit (if applicable)	\$300.00 Minimum
Registration	
Builders License (annual)	\$ 15.00
Administration fee (annual)	10.00

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SCHEDULE OF PLUMBING PERMIT FEES

Application Fee	\$ 20.00 +
New Construction – including two baths	\$150.00
Each additional bath	50.00
Sewer tap, water service, storm sewer	150.00
Commercial fees – assessed at plan review	\$125.00 minimum
Cross connections	100.00
Water service (2 inspections)	\$120.00
Sewer tap/service (2 inspections)	120.00
Clean outs (2 inspections)	120.00
Single item inspection	50.00
Additions, alterations* (up to 2 bathrooms)	100.00
Additions, alterations (rough, final & shower pan)	150.00
*Each additional bath	50.00
Lawn sprinkler/back flow preventor	30.00
Water heater replacement	30.00
Swimming pool/spas (2 inspections)	100.00
Re-inspection fee	50.00
Master plumber registration (annual)	\$1.00
Administration fee (annual)	24.00
Water & Sewer contractors license fee (annual)**	15.00
Administration fee (annual)	10.00

**A \$10,000.00 surety bond is required (form completed by insurance company) and present proof of experience of sewer installations from other municipalities.

Effective January 1, 2006