

2015 MICHIGAN RESIDENTIAL BUILDING CODE PLAN REQUIREMENTS

REQUIREMENTS FOR PLANS TO ACCOMPANY AN APPLICATION FOR A BUILDING PERMIT ARE ADDRESSED IN THE MRC 2015, SECTION R106. AS A MINIMUM, THIS OFFICE WILL REQUIRE THE FOLLOWING DRAWINGS, TO SCALE:

1. A SITE PLAN, TO SCALE, SHOWING THE LOCATION OF THE PROPOSED BUILDING OR STRUCTURE WITH DIMENSIONS IN RELATION TO LOT LINES, STREETS, UTILITIES AND OTHER BUILDINGS. R106.2
2. A FULLY DIMENSIONED, FOOTING AND FOUNDATION PLAN, TO SCALE, SHOWING THE SIZE AND MATERIAL OF ALL PERIMETER AND INTERIOR FOOTINGS AND THE HEIGHT, SIZE AND MATERIAL OF ALL FOUNDATION WALLS, AND ALL REINFORCEMENT. R400
3. FLOOR PLANS, TO SCALE, INDICATING THE FOLLOWING:
 - A. INTERIOR AND EXTERIOR DIMENSIONS.
 - B. IDENTIFY BEAMS AND HEADERS, SUPPORTING LOADS OVER ALL OPENINGS FOR ALL INTERIOR AND EXTERIOR BEARING LOCATIONS, BY SIZE, MATERIAL, SPECIES AND GRADE. IDENTIFY STRUCTURAL COMPOSITE MATERIALS BY SIZE MATERIAL AND MANUFACTURER
 - C. INDICATE THE PLACEMENT, LOCATION AND INSTALLED DIRECTION OF JOISTS AND RAFTERS. INDICATE THEIR SIZE, MATERIAL, SPECIES AND GRADE. IDENTIFY ENGINEERED COMPONENTS BY SIZE, MATERIAL AND MANUFACTURER, INDICATE WHERE PRE-ENGINEERED COMPONENTS WILL BE USED.
 - D. BRACED WALL LINES SHALL BE IDENTIFIED ON THE CONSTRUCTION DOCUMENTS AND ALL PERTINENT INFORMATION INCLUDING, BUT NOT LIMITED TO, BRACING METHODS, MATERIALS, LOCATION, ATTACHMENT OF PANELS AND LENGTH OF BRACED WALL PANELS AND INCLUDE CONSTRUCTION DETAILS FOR COMPLIANCE WITH WALL BRACING REQUIREMENTS PER SECTION R602.10.
4. PROVIDE SECTIONALS, TO SCALE, FROM BOTTOM OF FOOTING TO THE HIGHEST POINT ON THE ROOF. INDICATE WALL HEIGHTS, IDENTIFY FOUNDATION DRAINAGE, FOUNDATION COATING, FOOTING AND FOUNDATION WALL MATERIAL, FLOOR JOIST SPECIES, GRADE, SIZE, SPACING AND MATERIAL, RIM JOIST, FOUNDATION ANCHORAGE, WALL STUD SIZE, SPACING AND MATERIAL, SHEATHING, RAFTER SIZE, SPECIES, GRADE, SPACING AND MATERIAL OR TRUSS SPACING, ROOF DECKING MATERIAL AND SIZE, ROOFING UNDERLAYMENT AND FINISH ROOFING, AND FINISH SIDING.
5. EXTERIOR ELEVATIONS ARE TO INDICATE OPENINGS AND GRADE LINES.
6. DECK AND PORCH PLANS ARE TO INDICATE FOOTING SIZE AND DEPTH, JOIST SIZE AND SPACING, MATERIAL AND TREATMENT, FLOOR BEAM SIZE AND MATERIAL, DECKING MATERIAL, COLUMNS, ROOF BEAM SIZE AND MATERIAL AND RAFTER SIZE AND MATERIAL OR TRUSSES, ROOF DECKING MATERIAL, ATTIC VENTILATION, ROOFING MATERIAL AND METHOD OF ANCHORING.
7. NOTES INDICATING CONSTRUCTION IS TO BE "PER CODE", ARE NOT AN ACCEPTABLE ALTERNATIVE FOR SPECIFIC INFORMATION INDICATING CODE COMPLIANCE
8. PROVIDE TWO COMPLETE SETS OF PLANS FOR REVIEW, 11x17 PRINTED COPIES OR A PDF VERSION.
9. PROVIDE 2015 *MICHIGAN ENERGY CODE* COMPLIANCE DOCUMENTS. THE PLANS ARE TO INDICATE THE THICKNESS, MATERIAL AND R-VALUE OF EACH PROPOSED INSULATION MATERIAL. PLANS AND COMPLIANCE DOCUMENTS ARE TO COINCIDE.

10. Table R301.2(1)
Climatic And Geographic Design Criteria

Ground Snow Load	Wind Speed (mph)	Seismic Design Category	Weathering	Frost Line Depth	Termite	Winter Design Temp	Ice Barrier Underlayment Required	Flood Hazards	Air Freezing Index	Mean Annual-temp
Table R301.2(5)	90	See Section R301.2.2.1 and figure R301.2(2)	Severe	42" See Note B	Figure R301.2(6)	See Note E	Yes	See Note G	Figure R403.3(2)	See Note J