

RESIDENTIAL BUILDING PERMIT PLAN REVIEW

2015 MICHIGAN BUILDING CODE



DATE SUBMITTED	
PROJECT ADDRESS	
PROJECT NUMBER	
REVIEW START DATE	DATE COMPLETED

BUILDING PERMIT APPLICATION DATA			
PROVIDED DWG/SPEC	N/A	NON COMPLIANT REVISION REQUIRED	INFORMATION REQUIRED ON THE CONSTRUCTION DOCUMENTS; 105.3(4); 107.2
			Contact Information: Name, address, business phone, cell phone, Email - R105.3
			Michigan license number of builder - PA230 125.1510(2)
			Use and occupancy of proposed work - R105.3; 3
			Legal description of property - R105.3; 2
			Subdivision and lot number - R105.3; 2
			Certified topographical survey - R105.3; 7
			Soils report from an approved agency - R401.4
			Zoning approval - R106.1.1
			Flood elevation and lowest floor elevation if work is in a flood area - R106.1.3
			Gross square footage/net square footage of project - R109.16.1
			Project calculated area is in excess of 3,500 sq. ft. - R106.1
			Name and license number of registered design professional
			Address and phone number of registered design professional
			Original signature of registered design professional, seal and date
			Current addition of the Michigan Residential Code
			Name and license number of registered design professional
			Original signature of registered design professional, seal and date
			Submit engineering calculations
			Identify special inspections - R106.1

CONSTRUCTION DOCUMENTS · DRAWINGS AND SPECIFICATIONS

PROVIDED DWG/ SPEC	N/A	NON COMPLIANT REVISION REQUIRED	INFORMATION REQUIRED ON THE CONSTRUCTION DOCUMENTS; 105.3(4); 107.2
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SITE PLAN WITH NORTH ARROW - R106.1; 106.2; 401.3; 403.3.3

			Structures and existing site improvements to be demolished
			Proposed new structures and existing structures and improvements to remain
			Front, rear and side dimensions from all structures to property lines
			Proposed new site grades; existing site grades
			Finished grade planes at exterior walls
			Location of sewers, septic, water supply, wells, gas lines and electrical service
			Location of decks
			Easements, wet lands
			Natural features of site
			Retaining walls, embankments

FLOOR AND BASEMENT PLANS

			Minimum footing sizes - R403.1
			Walls, partitions, size and type of columns, beams, all dimensioned - R106.1.1
			Materials, thicknesses, R-values for roof and wall insulation - R408.31063
			Materials, R-values for crawl space, under-slab insulation - N1102.2.7
			Foundation drainage system and connection to sewer - R405.1
			Crawl space ventilated - R408.1
			Combustion air for furnace room, boiler room - M1701.1
			Finish grade at exterior walls - R403.3.3
			Exterior platform(s) at egress door(s) - R311.3
			Fire separation(s) - R302.1
			Decks - R507.1

STAIRS

			Rise, run, floor opening(s) head clearance clearly dimensioned - R311.7
			Treads, risers and winders dimensioned - R311.7.5
			Landings dimensioned - R311.7.6
			Ramps dimensioned - R311.8
			Handrails - R311.7.8
			Guardrails - R312.1
			Illumination - R303.7; 303.8

ROOF PLAN

			Roofing materials, roof slopes - Table R905.1.1(1)
			Insulation: material, thickness, R-value - R408.31063a
			Flashing - R903.2
			Cants, saddles, crickets - R903.2.2
			Ventilation - R806.1
			Drainage - R801.3

ATTIC

			Attic Loads - Table R301.5
			Egress window, dimensions and height off floor - R310.1
			Limited storage in attic, not habitable - Table R310.5
			No storage in attic, not habitable - R301.5
			Access - R807.1

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ELEVATIONS, NORTH, SOUTH, EAST AND WEST - R106.1.1			
			Windows, doors and exterior materials clearly noted
			Maximum building height
			Interior finishes
			Ceiling heights
STRUCTURAL			
			Braced wall lines shown on plans - R106.1.3
			Bracing method
			Location and length of panels
			Attachment at sill
			Attachment at head
			Footing material, depth, width, reinforcement - R403.1
			Foundation wall material, thickness, reinforcement - R402
			Foundation pads, material, size, reinforcement - Table R403.1.1
			Basement floor, concrete thickness and reinforcing - R506
			Wall anchorage to foundation - R403.1.6
			Wall anchorage to roof - R602.10.6.2
			Tensile strength of lumber, lumber species, pressure treating - Table R502.3.1(1)
			Size and spacing of roof framing, bracing, roof/wall connectors - Table R802
			Material and thickness of wall and roof sheathing - R503.2.1(1)
			Columns: Dimensions, size, material, connections -R407
			Floor framing: Joist size, spacing, blocking, bridging, sub-floor - R502
			Wall stud spacing, sizes, materials, bracing - R602
			Indicate fire blocking, stopping -R302.11
			Trusses: Layout and bracing; erection bracing - R502.11
			Truss design by Mich. Registered Design Professional - R106.1.4
			Pre-cast concrete certified by Mich. registered design professional - R106.1
ENERGY EFFICIENCY			
			Information on the construction documents - N1101.8
			Insulation materials and R-values
			Fenestration U-factors
			Area-weighted U-factor and SHGC calculations
			Mechanical system design criteria
			Mechanical, water heating system, equipment types, sizes, efficiencies
			Blower Door Testing N1102.4.1.2 Prescriptive
			Equipment and system controls
			Motor horsepower and controls
			Duct sealing, duct and pipe insulation, locations
			Light fixture schedule and wattages
			Air sealing details
			Exposed foundation insulation protected - N1103.13.1
			Eave baffles provided - N1102.2.3
			Slab-on-grade insulation - N1102.2.9

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ENERGY EFFICIENCY (CONT.)			
			Duct, air handlers, filter boxes sealed - N1103.2.2
			Testing R1102.4.1.2
			Annual energy cost meets Standard Referenced Design - N1105.3
			Compliance report Proformance- N1106.4.2
BUILDING DETAILS			
			Typical wall section
			Roof to wall connection
			Gable end wall bracing
			Draft stopping, fire blocking
			Vapor barrier: Roof, walls, under slabs
			Flashing
			Window heads, sills
			Door heads
			Roof to walls
			Wall bases
			Under sill plate
			Thru-wall openings
			Chimney
			Fireplaces: Cross section, materials, dimensions
			Factory-built fireplaces conform to UL 127
			Exterior deck anchorage to house, diagonal bracing
ELECTRICAL -			
			Grounding Electrode E3608
HEATING			
			Show furnaces / boilers, thermostats
			Carbon monoxide detectors R.315
			Smoke detectors R.314
PRODUCTS - EQUIPMENT			
			Site address - R319.1
			Emergency escape windows - R310.1
			Windows fall prevention devices - R312.2
			Window product rating - N1101.12.3; Table N1102.1.1
SIGNATURES			
			Original signature of the applicant or applicant's authorized agent - R105.3; 6
			Original signature(s) of registered design professional(s) including seal(s) and date(s)

REVIEW COMPLETED BY:	DATE:
NOTES:	