

**Department of Licensing & Regulatory Affairs
Bureau of Construction Codes
Keith E. Lambert, P.S., Director**

***Mass Timber & Building Regulations
February 2, 2017***

GOALS

- 1. CODE ADDRESSES MASS TIMBER**
- 2. PROCESS OF REVISING CODES**
- 3. Q & A**
- 4. PRESENTATION & CONTACT INFO**



CODE ADDRESSES MASS TIMBER

- 2012 Michigan Building Code
 - Chapter 6
 - Sections 602.4 thru 602.4.7
 - Chapter 23
- 2015 Michigan Residential Code
 - Chapter 6



2012 Michigan Building Code

- Section 602.4 Type IV Construction
 - Heavy Timber (HT) is that type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of solid or laminated wood without concealed spaces. The details of Type IV construction shall comply with the provisions of this section and Section 2304.10. Fire-retardant treated wood framing complying with Section 2303.2 shall be permitted within exterior wall assemblies with a 2-hour rating or less. Minimum solid sawn nominal dimensions are required for structures built using Type IV construction (HT).



2012 Michigan Building Code

- Chapter 23

- Section 2301.1 Scope

- The provisions of this chapter shall govern the materials, design, construction and quality of wood members and their fasteners.

- Section 2304.10 Heavy timber construction

- Where a structure or portion thereof is required to be of Type IV construction by other provisions of this code, the building elements therein shall comply with the applicable provisions of Sections 2304.10.1 through 2304.10.5.



2015 Michigan Residential Code

- Chapter 6 Wall Construction

- Section R602.1.1 Sawn lumber

- Sawn lumber shall be identified by a grade mark of an accredited lumber grading or inspection agency and have design values certified by an accreditation body that complies with DOC PS 20. In lieu of a grade mark, a certification of inspection by a lumber grading or inspection agency meeting the requirements of this section shall be accepted.

- Section R604.1 Identification and grade

- Wood structural panels shall conform to DOC PS 1, DOC PS 2 or ANSI/APA PRP 210, CSA 0437 or CSA 0325. Panels shall be identified by a grade mark or certificate of inspection by an approved agency.



CONSTRUCTION CODE AUTHORITY

- State Construction Code Act, 1972 PA 230
 - Requires department to adopt code through the rule promulgation process
 - [MCL 125.1504](#) & [MCL 125.1506](#)

- Administrative Procedures Act, 1969 PA 306
 - Codes (rules) cannot exceed the statutory authority granted
 - [MCL 24.232](#)



INFORMATION

- Presentation & material available on request
- Contact Information:
 - lambertk@michigan.gov
 - (517) 241-9375
 - Bureau of Construction Codes
 - 1st Floor Ottawa Building
 - 611 W. Ottawa St.
 - Lansing, MI 48933

