

## RESIDENTIAL DECK SPECIFICATIONS

Please complete the following and attach to corresponding Building Permit Application

Deck Size: \_\_\_\_\_ ft. X \_\_\_\_\_ ft.

Deck Floor Material: \_\_\_\_\_

Floor Joist Size: \_\_\_\_\_ in. X \_\_\_\_\_ in.

Floor Joist Spacing: \_\_\_\_\_ in. on center

Floor Joist Clear Span: \_\_\_\_\_ ft. X \_\_\_\_\_ in.

Floor Joist Cantilever: \_\_\_\_\_ ft. X \_\_\_\_\_ in.

Double Carrier / Beam Size: \_\_\_\_\_ in. X \_\_\_\_\_ in.

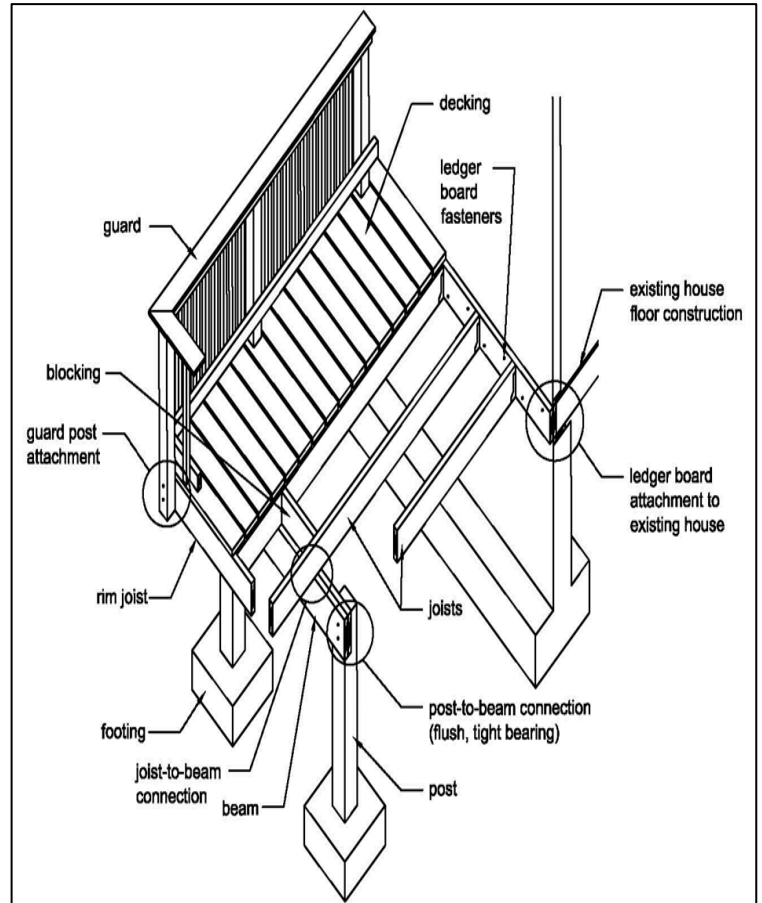
Treated Poles Size: \_\_\_\_\_ in. X \_\_\_\_\_ in.

Post Spacing: \_\_\_\_\_ ft. X \_\_\_\_\_ in.

Footings Depth Below Grade: \_\_\_\_\_ in.

Footings: Width \_\_\_\_\_ in. X Height \_\_\_\_\_ in.

Is the deck attached to the house? YES / NO



### Some requirements of the 2015 Michigan Residential Code Chapter 5, Section R507

#### Guards

- Are required if the floor and stairs measures more than 30 inches above grade.
- Shall have a minimum height of 36 inches for floors and 34 inches for stairs off the nose of the tread.
- Shall be constructed so a 4-inch sphere cannot pass through.

#### Stairway

- Shall be a minimum of 36 inches in width.
- Shall have a maximum riser height of 8 1/4 inches and a minimum tread depth of 9 inches.

#### Handrails

- Are required on 4 or more risers.
- Shall have a minimum height of 34 inches and a maximum height of 38 inches measured vertically off the nose of the tread.
- Shall be continuous for the full length of the stairway and ends shall be returned to wall or post.
- Type I handrails shall be graspable measuring at least 1 1/4 inches and not greater than 2 inches in diameter unless the perimeter of a noncircular handrail is less than 6 1/4 inches, then it is allowed to be 2 1/4 inches in width.
- Type II handrails with a perimeter greater than 6 1/4 inches shall provide a graspable finger recess area on both sides of the profile that meets code requirements. The width of the handrail shall be no less than 1 1/4" and not more than 2 3/4".

#### Spans

- Joist spacing & spans and beam spans shall meet the requirements of Tables R507.4, R507.5 and R507.6 (min. 1 1/2" bearing)

#### Lateral Load Connection

- Two hold down tension devices (1500 pond design load each) shall be installed in not less than two locations per deck.