

## Residential Decks Information Sheet

### Minimum of 2 Days' Notice Required for Inspections

#### Building Permits

Building permits are required for all decks that are attached to the home or more than 30 inches above grade. A building permit must be issued prior to construction. It is necessary to allow 5-10 business days for review before the permit is ready to be picked up. With your permit you will be given a copy of the approved plan which must be kept on site for inspections. Please be aware that changes to your plan must also be approved prior to scheduling an inspection.

#### Plan Submittal

A completed **Application** is required, also provide a **Site Plan** showing deck size and location. **Building Plans** are also required showing construction details including footing size and location, framing material size, type and spacing as well as decking material.

#### Frost footings

Required for any deck attached to a dwelling, porch or garage that has frost footings. The minimum depth to the base of the footing is 42 inches.

#### Structural Design

All decks shall be designed to support a live load of 40 pounds and a dead load of 10 pounds per square foot minimum. Hot tubs and outdoor kitchens have additional requirements.

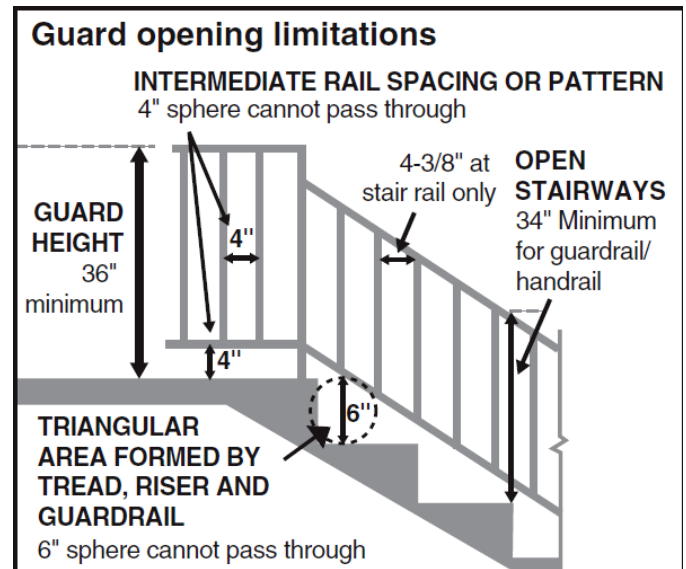
#### Guardrails

Required on all decks more than 30 inches above grade and shall be at least 36 inches in height. Open guards must have intermediate rails or an ornamental pattern where a four inch sphere cannot pass through.

#### Handrails at Stairs

Required for stairs with four or more risers, 34 to 38 inches in height as measured from the nosing of the stair. Ends shall be returned or terminated at the top and bottom.

All required handrails shall be continuous for the full length of the stairs from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight.



#### Ledger Board

Must be at least the same size as floor joists. Install lag screws or other approved anchors per Table R507.2 where proper anchoring/support cannot be verified, a self-supporting deck will be required.

#### Flashing

All connections between the deck and dwelling shall be flashed with an approved material. Any cuts or penetrations into the existing structure must be flashed in an approved manner. Aluminum shall not be used in contact with pressure preservative treated wood. This means the ledger flashing and other materials in contact with treated lumber shall be galvanized, stainless steel or vinyl.

### Framing/ Material details

Header, beams and joists that frame into ledgers or beams shall provide direct bearing or be supported by approved joist hangers. Any composite or plastic decking materials must be approved prior to installation.

### Lateral bracing

Decks must be supported laterally both parallel and perpendicular to the building. Please direct questions to a member of the inspection staff.

### Fasteners

All nails, screws and other connectors must be hot-dipped galvanized, stainless steel or of other approved corrosion resistance. Note: If joist hangers are stainless steel, the nails in contact with hangers must be of the same material. The same would apply to any galvanized products.

### Stair Lighting:

Exterior stairways shall be provided with an artificial light source located in the immediate vicinity of the top landing of the stairway.

### Cantilevers: Overhanging joists and beams

Cantilevers and Joists shall meet Table R502.3.3(2) at 50 psf ground snow loads.

### Stairs

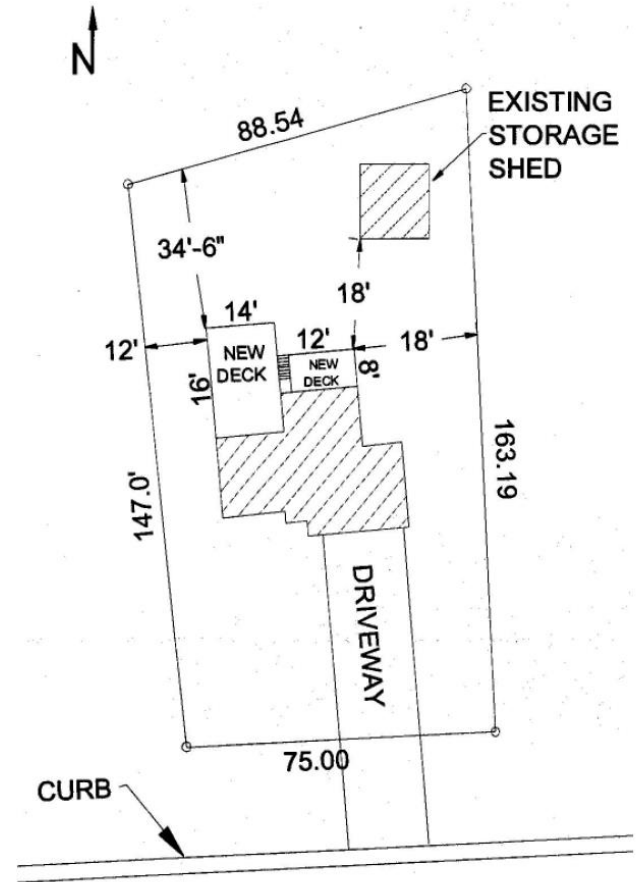
Minimum width is 36 inches. Maximum rise is 7-3/4 inches, minimum run is 10 inches. Largest tread width or riser height shall not exceed the smallest by more than 3/8 inch. Maximum 4 inch opening at risers for stairs to a platform greater than 30 inches in height.

### Special Design Note

Some deck designs may not be suitable for a future screen or 3-season porch. Setbacks and structural support may vary. Please indicate on the site and building plans if future considerations include a porch.

### Required Inspections

*Footing*-after the holes are dug, but prior to placing concrete; *Framing*- is to be done after all framing, blocking and required hardware are in place. This inspection can be completed at the time of Final Inspection provided the deck is at least 3 feet above grade. *Final*-after all decking, handrails and guardrails are in place.



Sample Site Plan