

Other Requirements

Handrail Grip Size:

All stairway and ramp handrails shall have a circular cross section with an outside diameter of at least 1 1/4 inches (32 mm) and not greater than 2 inches (57 mm).

EXCEPTION: Other approved shapes of equivalent graspability with a graspable perimeter of at least 4 inches (100 mm), but not greater than 6 1/4 inches (158 mm) within the graspable area, and with the largest cross-sectional dimension not exceeding 2 1/4 inches (57 mm) within the graspable area.

- ⇒ **PIER INSPECTION** - City inspector shall inspect the location, dimensions, and depth of the piers prior to concrete being poured. Inspector shall also verify suitable soil conditions.
- ⇒ **FRAMING INSPECTION** - City inspector shall inspect all structural members and their connections along with the house/deck flashing prior to the decking material being installed. Please have the guard rail posts and stair stringers cut and installed for this inspection.
- ⇒ **FINAL INSPECTION** - City inspector shall inspect the completed project prior to the deck being used.

Important Notice

The use of ACQ, CBA, or CA preservative-treated wood for this deck shall require the use of fasteners, connectors, and hangers that are specifically recommended by the hardware manufacturer or the treated wood producer for use with these types of wood products. Stainless steel or G185 hot-dipped galvanized fasteners, connectors, or hangers may be required. Stainless steel fasteners, connectors, or hangers cannot be used in combination with galvanized fasteners, connectors, or hangers. Aluminum flashings are not permitted for use with ACQ, CBA, or CA preservative-treated wood products. NOTE: building inspector will need to be able to field verify that the proper fasteners, connectors, hangers, and flashing were used.

Conditions of Approval

- ⇒ Maximum riser heights shall be 7 ¾ inches.
- ⇒ Minimum tread width shall be 10 inches.
- ⇒ Dimensional uniformity: There shall not be variation exceeding 3/16 inch (5mm) in the depth of adjacent treads or in the height of adjacent risers. The tolerance between the largest and smallest riser or between the largest and smallest tread shall not exceed 3/8 inch (10mm) in any flight of stairs.
- ⇒ Solid risers required on stairs.
- ⇒ Provide graspable handrail on at least 1 side of stairs installed 34-38 inches measured vertically above the stair nosing.

Decks



City of Ellisville
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Deck

Want to add a deck to your home? The construction of a deck requires a building permit if your home is located in the City of Ellisville, and here are some helpful guidelines to help get you through the permit process.

Note: For a covered or enclosed deck (i.e. screened porch) please refer to residential room additions.

Before coming to the permit counter at the Ellisville City Hall, you need to prepare and bring the following with you:

- ⇒ Three copies of a current site plan drawn to scale showing existing structures, the proposed deck, stairs and it's perpendicular distances to all lot lines and other structures on your lot.
- ⇒ Three separate, complete sets of building construction plans drawn to scale and containing the following:
 - Foundation/pier plans for the deck
 - Deck floor/framing plan
 - Sectional details and/or other details
 - Sectional views through both length and width
 - Sectional view through stairways from deck to ground level. Maximum riser height shall not exceed 7 3/4 in. Minimum tread width shall not be less than 10 in.

- Elevation views for all three sides of the deck

Note: If the estimated size of your deck is 400 sq. ft. or more, your construction plans may need to have an original seal and dated signature of a Missouri registered architect or professional engineer on each individual sheet of all sets of plans.

Once you have assembled the necessary information, come to City Hall to complete a building permit application.

When the Building Inspector has approved your application, you will be notified by telephone that your permit is ready. You will also be told the cost of your permit. The permit fee includes the cost of the review and the minimum required inspections. Payment is required before the permit can be released.

Helpful Hints

- ♦ Check with the Ellisville Planning Department at 636-227-9660 for information on setback requirements.
- ♦ All overhead electrical wiring must be at least 12 feet above the finished deck.
- ♦ If the deck is more than 15 1/2 inches above either the finished grade or a lower deck level, guardrails must be provided with all balusters spaced no greater than 4 inches apart. Balusters shall not provide a ladder effect.

- ♦ Electrical permits (if applicable) should be obtained from St. Louis County.
 - ♦ Check with your subdivision trustees for any subdivision approvals or restrictions. Two trustees' original, dated signatures shall be written on the cover sheet of each set of plans, if necessary.
 - ♦ Check with Metro West Fire District for any additional requirements.
 - ♦ Deck stairways with 3 or more risers shall be provided with "graspable" handrails installed not less than 34 inches nor more than 38 inches, measured vertically, above leading edge of treads.
- ⇒ Metro West Fire District, St. Louis County and any other applicable entities will need to approve the improvements prior to the City of Ellisville conducting a final inspection.

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