

CITY OF STEUBENVILLE BUILDING DEPARTMENT

PLAN APPROVAL WOOD DECK FOR ONE, TWO AND THREE FAMILY DWELLINGS

RE:

Permit No.

The above referenced project has been reviewed under the CITY OF STEUBENVILLE BUILDING CODE, which incorporates the 2013 Residential Code of Ohio for One, Two and Three Family Dwellings.

The plans are approved with the following addendum. This addendum is attached to, and is part of the plans. All items listed below will be performed and will be incorporated into the structure.

311.5.6 Handrails. Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

311.5.6.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

311.5.6.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 1/2 inch (38 mm) between the wall and the handrails. **Exceptions:**

1. Handrails shall be permitted to be interrupted by a newel post at the turn.
2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.
3. Two or more separate rails shall be considered continuous if the termination of the rails occurs over a single tread and within 4 inches (101.6 mm) of each other. If transitioning between a wall-mounted handrail and a guardrail/handrail, the wall-mounted rail must return into the wall.

311.5.6.3 Handrail grip size. All required handrails shall be of one of the following types or provide equivalent graspability.

Type I. Handrails with a circular cross section shall have an outside diameter of at least 1 1/4 inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6 1/4 inches (160 mm) with a maximum cross section of dimension of 2 1/4 inches (57 mm).

Type II. Handrails with a perimeter greater than 6 1/2 inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of 3/4 inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8 mm) within 7/8 inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/8 inch (10 mm) to a level that is not less than 1 3/4 inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1 1/4 inches (32 mm) to a maximum of 2 3/4 inches (70 mm). Edges shall have a minimum radius of 0.01 inches (0.25 mm).

312.1 Guards required. Porches, balconies or raised floor surfaces located more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 36 inches (914 mm) in height. Open sides of stairs with a total rise of more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 34 inches (864 mm) in height measured vertically from the nosing of the treads.

312.2 Guard opening limitations. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 inches (102 mm) or more in diameter.

Fasteners: All fasteners shall be a minimum of G-185 double dipped galvanized or stainless steel to prevent corrosion from the ACQ treated lumber.

Stair Footings: Stair stringers require footings to support them in order to ensure they remain level and safe for the life of the structure.

This review does not include the permit for plumbing, heating/ventilation/air conditioning, electric or driveways. Permits for construction in these areas shall be obtained prior to the start of construction.

The start of construction indicates acceptance of all the above noted conditions. This review does not preclude the necessity to conform with the provisions which may have been omitted or overlooked in the review process, but which are the requirements of the code. Ultimate responsibility for legal compliance with the Standards of Safety rest with the registered design professional, tenant and the owner.

I can be reached at 740-283-6000 ext. 1700 or e-mail at abodo@cityofsteubenville.us to answer any questions regarding this review or any other building related matter.

Sincerely,

Anthony Bodo
Chief Building Official

Applicant Signature Date

Print name clearly