

Municipality of Monroeville

A Home Rule Charter Municipality

Municipal Center
2700 Monroeville Boulevard
Monroeville, PA 15146-2388

Phone (412) 856-1000
Fax (412) 856-3366
www.monroeville.pa.us

BUILDING REQUIREMENTS AND GUIDELINES FOR DECKS

The following requirements must be complied with for the building permits to be valid.

All references are from the International Residential Code currently adopted by Municipal Ordinance. Some of the items listed may already be shown on your submitted plans, but are detailed below as a reminder to you.

1. Post must be 6" X 6" and be 36" deep on footings when exceeding 4 foot above ground level.
2. Please see **Page 2** of this letter for Guardrail requirements.
3. Header-ledger must be 2" X 10" and attached to the house with minimum of ½" all-thread on 16" centers to inside header or band, OR can be supported by 6" X 6" post, 36" deep on footings and secured to the house with ½" lag bolts on 16" centers.
4. All joists will be attached to header-ledge with joist hanger and with manufacturer's recommended nail size.
5. All floor joists must be 16" on center.
6. Carriage bolts are **NOT APPROVED** for use for wood- to- wood structural applications.
7. Call for a footer inspection.
8. Call for a final inspection.

Thank you,

Municipality of Monroeville

I _____ certify I have received a copy of this letter.

PRINTED NAME _____ DATE _____

mfl/February2017

Senior Citizens Center
6000 Gateway Campus Blvd.
Monroeville, PA 15146
(412) 856-7825
Fax: (412) 856-4728

Public Works
200 Starr Drive
Monroeville, PA 15146
(412) 856-3343
Fax: (412) 856-3377

Monroeville Public Library
4000 Gateway Campus Blvd.
Monroeville, PA 15146
(412) 372-0500
Fax: (412) 372-1168

R311.5 Construction.

R311.5.1 Attachment. Exterior landings, decks, balconies, stairs and similar facilities shall be positively anchored to the primary structure to resist both vertical and lateral forces or shall be designed to be self-supporting. Attachment shall not be accomplished by use of toenails or nails subject to withdrawal.

R312.1 Where required. *Guards* shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or *grade* below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a *guard*.

R312.2 Height. Required *guards* at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.

Exceptions:

1. *Guards* on the open sides of stairs shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the leading edges of the treads.
2. Where the top of the *guard* also serves as a handrail on the open sides of stairs, the top of the *guard* shall not be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leading edges of the treads.

R312.3 Opening limitations. Required *guards* shall not have openings from the walking surface to the required *guard* height which allow passage of a sphere 4 inches (102 mm) in diameter.

Exceptions:

1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a *guard*, shall not allow passage of a sphere 6 inches (153 mm) in diameter.
2. *Guards* on the open sides of stairs shall not have openings which allow passage of a sphere $4\frac{3}{8}$ inches (111 mm) in diameter.

R312.4 Exterior woodplastic composite guards. Woodplastic composite *guards* shall comply with the provisions of Section R317.4.