



**02-385 MANUFACTURED HOUSING BOARD**  
**Chapter 110: STATE CERTIFICATION OF MODULAR HOMES**

**R311.7.4.1 Riser height.** The maximum riser height shall be  $8\frac{1}{4}$  inches. The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than  $\frac{3}{8}$  inch.

**R311.7.4.2 Tread depth.** The minimum tread depth shall be 9 inches. The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than  $\frac{3}{8}$  inch.

**R311.7.4.3 Profile.** The radius of curvature at the nosing shall be no greater than  $\frac{9}{16}$  inch. A nosing not less than  $\frac{3}{4}$  inch but not more than  $1\frac{1}{4}$  inches shall be provided on stairways with solid risers, provided that a 1 inch nosing shall be provided on all treads with tread width less than 10 inches. The greatest nosing projection shall not exceed the smallest nosing projection by more than  $\frac{3}{8}$  inch between two stories, including the nosing at the level of floors and landings.

The MMHB revisions to subparagraphs R311.7.4.1, R311.7.4.2 and R311.7.4.3 shall also apply to basement stairs when the stairs are a component of a factory design which specifies the necessary basement height and the design has been certified by the board-approved inspection agency.

ACTUAL STAIR GEOMETRY MAY VARY AS LONG AS IT MEETS THE FOLLOWING DESIGN PARAMETERS.

- MAX RISER HGT =  $8\frac{1}{4}"$
- MIN TREAD DEPTH = 9"
- MIN NOSING = 1"
- MIN HEAD ROOM = 80"
- MIN LANDING WIDTH = 36"

JOB NAME  
**Purtell**  
 Peaks Island, ME 04108  
 50# GSL / 90 MPH WIND

BUILDER  
**Hallmark Homes Corp**  
 619 Lewiston Road  
 Topsham, ME 04086

HOUSE TYPE  
**4-Box Cape**  
 FILE NAME: Q-16-0117-JML  
 SERIAL #: KBS-2735

**BASEMENT STAIR LAYOUT**  
 SHEET # P15B  
 SCALE: 1/4" = 1'-0"  
 DWN BY: SAT/ETW / SLP  
 DATE: 07-28-16

REVISIONS  
 REV# 4 8-16-16 SLP  
 WALL DETAIL AT STAIR  
 REV#1 8-12-16 APG: IW17 & IW20  
 DOOR FRAME -FOR SPRINKLER  
 REV#2 8-12-16 APG:  
 K-WALL STUD / ACCESS OPENING  
 REV #3 8-15-16 SLP  
 Ceiling access bath-1



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