

current editions of the model codes have a 2003 cover date (2002 for electrical), though some jurisdictions take years to adopt these current codes. For the most recent geographical application of this book, notations to the significant changes between current and former codes are summarized on the inside back cover.

BUILDING

11

Stairs & Decks

General

- | | 03 IRC | 97 UBC |
|--|------------------------|--------------------------|
| <input type="checkbox"/> Illumination req'd for all stairways | [303.6] | {210.70A2 ^E } |
| <input type="checkbox"/> Control for light req'd at top and bottom of stairs {if 6 or more risers} | [303.6.1] | {210.70A2 ^E } |
| <input type="checkbox"/> Headroom min 6ft 8in | F19 [311.5.2] | {1003.3.3.4} |
| <input type="checkbox"/> Min stairway width above handrail 36in | [311.5.1] | {1003.3.3.2} |
| <input type="checkbox"/> Handrail may project into req'd width 4 1/4in (3 1/2in) F18 [311.5.1] | {1003.3.3.2} | |
| <input type="checkbox"/> Max riser height 7 3/4in (8in) | F18 [311.5.3.1] | {1003.3.3.3X} |
| <input type="checkbox"/> Min tread depth 10in (9in) | F18 [311.5.3.2] | {1003.3.3.3X} |
| <input type="checkbox"/> Max difference between tallest & shortest riser or largest & shortest tread run 3/8in | [311.5.3.1,2] | {1003.3.3.3} |
| <input type="checkbox"/> Winder tread min 6in & develop req'd length at ≤12in from inside of winder | F17 [311.5.3.2] | {1003.3.3.8.2} |
| <input type="checkbox"/> Nosing min 3/4in max 1 1/4in req'd on stairs w/solid risers EXC | F18 [311.5.3.3] | {n/a} |
| Nosing not req'd if tread depth ≥1.1in | [311.5.3.3X] | {n/a} |

Fig. 17 • Winding Stairs

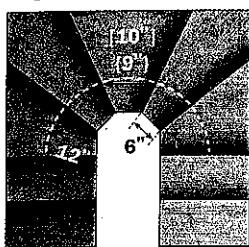
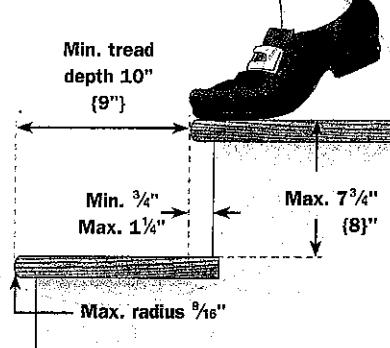


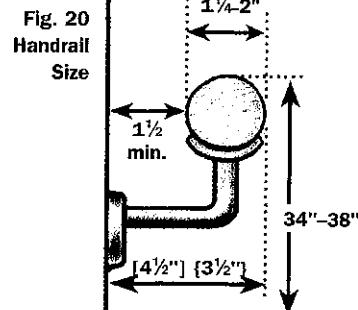
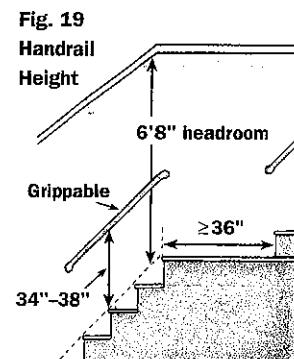
Fig. 18 • Stair Profile



Handrails

- | | 03 IRC | 97 UBC |
|---|-------------------------|--------------|
| <input type="checkbox"/> Grippable handrail req'd if 4 or more risers | [311.5.6] ¹⁵ | {1003.3.3.6} |
| <input type="checkbox"/> Handrail height min 34in max 38in | F19 [311.5.6.1] | {1003.3.3.6} |
| <input type="checkbox"/> Grips min 1 1/4in max 2in circular cross section F20 [311.5.6.3] ¹⁶ | {1003.3.3.6} | |
| <input type="checkbox"/> Min 1 1/4in between wall & handrail | F20 [311.5.6.2] | {1003.3.3.6} |
| <input type="checkbox"/> Ends req'd to return to wall or newel post | [311.5.6.2] | {1003.3.3.6} |
| <input type="checkbox"/> Handrail on open side of stairs must not allow 4in sphere to pass through | [312.2] | {509.3} |
| <input type="checkbox"/> Openings between treads of open risers <4in | [311.5.3.3] | {n/a} |
| <input type="checkbox"/> Triangular space between riser, tread & rail must not allow 6in sphere to pass through | F19 [312.2X1] | {509.3X2} |

Cu	= copper
CWV	= combination waste and vent
DFU	= drainage fixture unit(s)
Diam	= diameter



Guardrails

- | | 03 IRC | 97 UBC |
|--|--------------------|-----------|
| <input type="checkbox"/> Req'd for any walkoff >30in above floor or grade | F21 [312.1] | {509.1} |
| <input type="checkbox"/> Min height 36in (34in if guard is stair handrail) | F21 [312.1] | {509.2X1} |
| <input type="checkbox"/> Opening must not allow 4in sphere to pass through | F21 [312.2] | {509.3} |
| <input type="checkbox"/> Guards req'd on open sides of stairs if total rise above floor or grade >30in | [312.1] | {509.1} |

Fig. 21
Guardrails

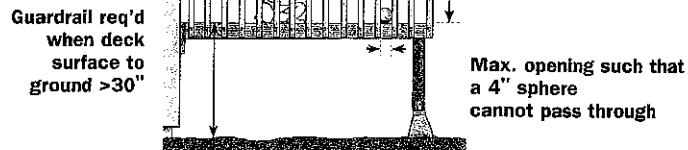


Table 13 • Special Inspection Reports

S.I. reports due before final inspection	Required	Received
Concrete >2,500 psi		
Pilings, drilled piers & caissons		
Structural masonry		
Bolts in concrete		
Structural welding/steel moment frames		
Glu-Lam certificate		
Shear nailing - 4" o.c.		
High-strength bolting		
Prestressed concrete: rebar & tendons		
EIFS		
Special base		