

CITY OF LONGMONT
BUILDING INSPECTION DIVISION

2011 Class A-B Self-Study Guide

(Based on the 2009 International Building Code and local amendments)

NAME _____ DATE _____

COMPANY NAME _____ LICENSE # _____

YOU WILL BE CONTACTED IF YOU DID NOT RECEIVE A 65% SCORE
AND WILL BE ASKED TO RE-TAKE THIS STUDY GUIDE

This Self-Study Guide is provided by the Longmont Building Inspection Division. It is intended to be an exercise in using the codes to keep THE TESTED qualified individuals current in the latest codes in use, in Longmont. When complete, please turn this guide in to the Building Inspection Division for review and credit toward your license renewal by June 30, 2011.

- 1.) Doors to resident sleeping units in Group I-3 occupancies shall have a minimum clear width of ___ inches.
 - a.) 36
 - b.) 32
 - c.) 28
 - d.) 24

- 2.) Class I safety glazing with a maximum size of ___ per light is permitted in doors.
 - a.) 0 square inches (not permitted of any size)
 - b.) 100 square inches
 - c.) 144 square inches
 - d.) 9 square feet

- 3.) Where classified in accordance with ASTM E 84, Class B interior wall and ceiling finishes have a flame spread index of ___ and a smoke-developed index of 0-450.
 - a.) 0-25
 - b.) 26-75
 - c.) 76-200
 - d.) 201 and greater

- 4.) An approved through-penetration firestop system requires a T rating when which of the following conditions occurs?
- a.) a fire wall is penetrated by a combustible penetrating item
 - b.) a fire barrier wall is penetrated above a nonrated ceiling membrane
 - c.) a fire partition is penetrated by a steel conduit
 - d.) a floor penetration of a fire-rated assembly is not contained within a wall cavity
- 5.) By definition, a transient residential dwelling unit or sleeping unit has a maximum occupancy period of ___ days.
- a.) 14
 - b.) 30
 - c.) 90
 - d.) 180
- 6.) In aisle stairs, the maximum tolerance permitted between adjacent treads is ___ inch.
- a.) 0.375
 - b.) 0.25
 - c.) 0.188
 - d.) 0.125
- 7.) Which of the following inspections is not specifically identified by the International Building Code as a required inspection?
- a.) footing inspection
 - b.) frame inspection
 - c.) energy efficiency inspection
 - d.) soil classification inspection
- 8.) Combustible steeples are limited to a maximum height of ___ feet above the allowable building height.
- a.) 15
 - b.) 20
 - c.) 30
 - d.) 40
- 9.) Which one of the following items is not considered to be decorative materials or materials used for decorative effect?
- a.) floor coverings
 - b.) draperies
 - c.) fabrics
 - d.) vines

- 10.) A smoke compartment is created by enclosure of a space on all sides by ____.
- a.) smoke partitions
 - b.) smoke barriers
 - c.) shaft enclosure construction
 - d.) fire partitions
- 11.) A mezzanine is not required to be open to the room in which it is located where the occupant load of the enclosed space of the mezzanine does not exceed ____ persons.
- a.) 50
 - b.) 30
 - c.) 20
 - d.) 10
- 12.) Where natural ventilation is utilized for venting a smokeproof enclosure, each vestibule shall be provided with a minimum ____ square feet of opening in the exterior wall.
- a.) 35
 - b.) 24
 - c.) 16
 - d.) 9
- 13.) Concrete footings shall be protected from freezing during depositing and for a minimum time period of ____ day(s) thereafter.
- a.) 5
 - b.) 3
 - c.) 2
 - d.) 1
- 14.) Where serving a maximum of five occupants, a spiral stairway may be used as a means of egress component from a space having a maximum floor area of ____ square feet.
- a.) 200
 - b.) 250
 - c.) 350
 - d.) 500
- 15.) What hourly rating is mandated for the construction of smoke partitions?
- a.) 0 (no rating is required)
 - b.) 1/2 hour
 - c.) 3/4 hour
 - d.) 1 hour

- 16.) Exit passageways shall be constructed as a minimum ____.
- a.) 2 hour fire wall
 - b.) 2 hour fire barrier
 - c.) 1 hour fire partition
 - d.) 1 hour fire barrier
- 17.) A minimum of ____ shall be maintained between automatic sprinklers and the top of piles of combustible fibers.
- a.) 12 inches
 - b.) 18 inches
 - c.) 36 inches
 - d.) 60 inches
- 18.) In a building of Type II-B construction, what is the minimum required fire-resistance rating of the roof construction?
- a.) 0 hours (no rating required)
 - b.) 1 hour
 - c.) 1.5 hours
 - d.) 2 hours
- 19.) For exterior plastering, the second coat shall have a maximum variation of ____ inch in any direction under a 5-foot straight edge.
- a.) $\frac{3}{8}$
 - b.) $\frac{1}{4}$
 - c.) $\frac{3}{16}$
 - d.) $\frac{1}{8}$
- 20.) In conventional light-frame construction, cripple walls exceeding ____ inches in height shall be framed of wood studs having the size required for an additional story.
- a.) 24
 - b.) 36
 - c.) 48
 - d.) 60

21.) Where ceilings are applied directly to the underside of roof framing members to form enclosed rafter spaces, such spaces shall be provided with cross ventilation with a minimum of ___ inch(es) of airspace between the insulation and the roof sheathing.

- a.) 1
- b.) 1.5
- c.) 2
- d.) 3

22.) For the purpose of accessibility, which of the following areas in a bank is considered an employee work area?

- a.) break room
- b.) corridor
- c.) toilet room
- d.) vault

23.) Veneer secured and supported through the adhesion of an approved bonding material applied to an approved backing is considered ___ masonry veneer.

- a.) spandrel
- b.) attached
- c.) adhered
- d.) anchored

24.) Grab bars shall be designed to resist a single minimum concentrated load of ___ pounds applied in any direction at any point.

- a.) 50
- b.) 100
- c.) 200
- d.) 250

25.) The maximum building area of a six story single occupancy building is limited to ___ times the allowable area permitted per story.

- a.) two
- b.) three
- c.) four
- d.) six