

1. Floors shall be designed and constructed to support a minimum live load of
 - 50 pounds per sq. ft.
 - 35 pounds per sq. ft.
 - 40 pounds per sq. ft
 - 45 pounds per sq. ft

2. Ceilings with storage shall be designed and constructed to support a minimum live load of
 - 10 pounds per sq. ft.
 - 5 pounds per sq. ft.
 - 20 pounds per sq. ft
 - 40 pounds per sq. ft

3. Dwellings shall be designed and constructed to withstand a horizontal and uplift pressure of _____ pounds per sq. foot acting over the surface area
 - 100
 - 90
 - 40
 - 20

4. Roofs shall be designed and constructed to support the minimum snow loads of 30 pound per sq. ft. in the southern-most counties of Wisconsin and 40 pounds per sq. ft. in the northern-most counties of Wisconsin.
 - True
 - False

5. Sawn Lumber that is not graded in accordance with the standards under other parts of the Code (UDC) shall use the NDS published allowable design stresses for the lumber species using grade number 3 when used for
 - Studs and stringers
 - Rafters or joists
 - Both answers above

6. Dwellings constructed of whole logs shall conform to which standards

ILBA and ICC/ANSI400

ICC/ANSI 200

ICBO

None of the above

7. At least ____ exit/s shall be provide from the second floor

1

2

3

8. Basements and ground floors used for _____ shall be provided with 2 exits

Any purpose

Recreation room

Sleeping

None of the above

9. A window installed for exit purposes shall

Be openable from the inside

Have a nominal size of net clear window opening of at least 20 inches by 24 inches
irrespective of height or width

Be no more than 60 inches above the floor

All of the above

10. For any window used for exiting that is more than 46 inches above the floor, a
permanent platform or fixture shall be installed such that a flat surface at least ____
inches wide and ____ inches deep is located no more than 46 inches directly below
the clear opening

24 , 8

36 , 8

20 , 9

22 , 11

11. At least one exit door from a dwelling shall be a swing-type door at least 80 inches high by ____ inches wide

36

32

38

none of the above

12. For entering and exiting, at least 50% of the bedrooms shall have at least a net clear opening of width of ____ inches or be at least a 32 - inch door

34

36

30

32

13. Handrails may infringe into the minimum width of a hallway up to _____ inches on each side

1 1/2

2

3

4 1/2

14. In a kitchen there shall be at least ____ inches of clearance between a wall, a permanently installed kitchen island, and permanently installed kitchen cabinets

36

34

32

30

15. Stairways shall be provided with a minimum headroom clearance of ____ inches measured vertically from a line parallel to the nosing of the treads to the ceiling, soffit or any overhead obstruction directly above that line

76

72

80

84

16. Stair flights with more than _____ risers shall be provided with at least one handrail

1

2

3

4

17. Ramps shall not have a gradient greater than 1 in _____ or one foot of rise in _____ feet of run

12

10

8

6

18. Where safety glass is required the glazing shall consist of safety glass meeting the requirements of

ANSI 100

IRC1004

SPSC 16 CFR, Part 1201

ICBO

19. All kitchens, hallways, bathrooms and corridors shall have a ceiling height of at least _____ feet

8

7.5

7

6.5

20. Crawl spaces with at least 18 inches of clearance or more between the crawl space floor and the underside of the floor joist framing shall be provided with an access opening of at least _____ by _____ inches

20 , 20

18 , 18

16 , 16

14 , 24

21. When a dwelling unit is separated by less than 5 feet from a detached garage or accessory building on the same property, a ____ hour fire rated construction wall is required in either facing wall

3

2

1

$\frac{3}{4}$

22. Fireblocking shall be provided in the following locations

In concealed spaces of walls and partitions

At all interconnections between concealed vertical and horizontal spaces

In concealed spaces between stair stringers at the top and bottom of the run and at any intervening floor level

All of the above

23. Listed and labeled multiple-station smoke alarms with battery backup shall be installed

Adjacent to each bathroom

Only on floor levels with sleeping areas

Inside each sleeping room

None of the above

24. Fasteners used for pressure-preservative treated wood are allowed if they are

A steel bolt with a diameter of 0.5 inch or greater

A steel bolt with a diameter of $\frac{3}{8}$ inch or greater

Galvanized bolts of any size

25. The finished grade of the soil shall slope away from the dwelling at a rate of at least ____ inch per foot for a minimum distance of 10 feet or to the lot line whichever is less

1

$\frac{3}{4}$

$\frac{1}{2}$

$\frac{1}{4}$

26. Unless designed through structural analysis, unreinforced concrete column or pier footings shall have a minimum width and length of ____ feet by ____ feet

3 , 3

2.5 , 2.5

2 , 2

1.5 , 1.5

27. If the soil located directly under a footing or foundation overlies a layer of soil having a smaller allowable bearing value, the smaller soil-bearing value shall be used to determine soil-bearing capacity

True

False

28. In foundations, structural steel anchor bolts, at least ____ inch in diameter, shall be embedded at least 7 inches into the concrete or grouted masonry

5/16

3/8

1/2

5/8

29. Unless designed through structural analysis, the minimum wall thickness for a concrete foundation wall with 7 feet of unbalanced fill against it shall be ____ inches

6

8

10

14

30. Both masonry and concrete foundations are required to have damproofing with a coating of 3/8-inch thick type M or S Portland cement

True

False

31. When concrete floors are provided (not in a garage), the thickness of the concrete shall measure at least ____ inches
- 2
 - 3
 - 3.5
 - 4
32. Where the joists of a floor system are parallel to, and located between bearing walls above and below, the joists shall be doubled
- True
 - False
33. Wood joists of sawn lumber supported on wood or metal shall have a bearing surface of at least ____ inches measured from the end or the joist
- 5.5
 - 2.75
 - 3.5
 - 1.5
34. For wood joists of sawn lumber a hole bored in the top or bottom 2 inches shall follow the limitations for notching
- True
 - False
35. For floor openings in wood frame floors, trimmers and headers shall be doubled when the span of the header exceeds ____ feet
- 6
 - 5
 - 4
 - 3

36. A wood beam supporting one floor only in a 24 foot wide house, where the columns supporting the beam are 10 feet apart, would have to be at least _____ nominal

6 x 10

6 x 12

8 x 10

8 x 12

37. For floors, bridging shall be provided for sawn lumber framing at intervals not exceeding 8 feet, where the nominal depth to thickness ratio is _____ 4 to 1

less than

greater than

equal to

38. Decks attached to dwellings and detached decks which serve an exit shall comply with all other provisions of the _____ Code

ICBO

IRC

UDC

CABO

39. During Construction wall cavity insulation may not be installed until a water-resistant covering is in place over the wall cavity, and windows, doors and a roof with at least underlayment are installed

True

False

40. Any joint between 2 pieces of flashing that forms a vertical joint shall be lapped a minimum of _____ inches and sealed

12

10

8

6

41. Flashing shall be installed in which of the following locations

At the intersection of chimneys or other masonry construction

Under and at the ends of masonry, wood or metal copings and sills

At wall and roof intersections

All of the above

42. Exterior walls of wood or metal frame construction shall be provided with a water-resistive barrier from the highest point to the bottom of the permanent weather-resistive covering

True

False

43. A single top plate may be used instead of a double top plate provided a rafter is located directly over the stud and the plate is securely tied at the end joints, corners and intersecting walls

True

False

44. Headers ____ feet or less in length shall be directly supported on each side by either a single common stud and a shoulder stud or a single common stud with a framing anchor attached

5

4

3

2.5

45. When double top plates are used they shall have their end joints offset at least 6 feet

True

False

46. The maximum spacing of wood studs in a wall when supporting roof and ceiling only is
- 12 in. O.C.
 - 16 in O.C
 - 19.2 in. O.C.
 - 24 in. O.C.
47. The allowable span for a header supporting one floor and roof/ceiling assembly, made up of two 2 x 4s in a house that is 24 feet wide is (assuming the wood has an Fb value of 1000)
- 1.5 feet
 - 2 feet
 - 2.5 feet
 - 3 feet
48. A 4 x 4 wood column 10 feet tall with a modulus of elasticity of 1,000,000 psi and a Fb value of 1,000 psi would be able to support _____pounds
- 4,900
 - 3,100
 - 2,150
 - 2,000
49. Foundation cripple walls can be framed with studs one nominal size smaller than the studs above
- True
 - False
50. If used, let-in bracing shall be placed at an angle of not more than ____ degrees or less than ____ degrees from the horizontal
- 55 , 45
 - 60 , 35
 - 60 , 45
 - 65 , 40

51. Wind bracing methods must be the same from story to story

True

False

52. For masonry walls the type of mortar shall conform to the requirements of

ASTM A-270

ASTM B-270

ASTM C-270

ASTM D-270

53. Mortar shall be mixed for at least ____ minutes after all ingredients have been added with the maximum amount of water to produce a workable consistency

15

10

5

3

54. Masonry veneers may be corbeled over the foundation wall, but the corbeling may not exceed ____ inch

$\frac{1}{2}$

$\frac{5}{8}$

$\frac{3}{4}$

1

55. For use in masonry walls the allowable shear on a 1/2 inch bolt embedded 4 inches shall not exceed _____ pounds

270

410

550

750

56. Where one or more rafters are offset at the ridge board by more than the thickness of the rafter, the ridge board shall have a nominal thickness of at least ____ inches

4

2

1

57. Overhangs at gable ends of more than ____ inches shall be provided with ladders which extend into the structure a distance no less than the length of the overhang

12

14

16

24

58. Shingled or shake roofs that extend over a heated area of a dwelling or attached garage and that have a slope of _____ or less shall be provided with ice dam protection

2:12

3:12

4:12

5:12

59. Masonry fireplace chimneys shall extend at least ____ feet above the highest point where the chimney passes through the roof

2

3

4

5

60. No masonry chimney shall rest upon wood

True

False

61. All flue liners shall be laid in a full bed of refractory mortar or refractory cement

True

False

62. The minimum clearance between combustibles and masonry chimneys which have all parts completely outside the dwelling, exclusive of soffit or cornice areas, shall be ___ inch/es

1

1.5

2

3

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