

# Massachusetts Unrestricted Construction Supervisor License Practice Test (Sample)

## Study Guide



**Everything you need from our exam experts!**

**Copyright © 2025 by Examzify - A Kaluba Technologies Inc. product.**

**ALL RIGHTS RESERVED.**

**No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.**

**Notice: Examzify makes every reasonable effort to obtain from reliable sources accurate, complete, and timely information about this product.**

**SAMPLE**

## **Questions**

SAMPLE

- 1. What is the minimum required distance for offsetting end joints in top plates of a wood frame wall?**
  - A. 12 inches**
  - B. 16 inches**
  - C. 24 inches**
  - D. 36 inches**
- 2. Which of the following is NOT true regarding manual fire alarm boxes?**
  - A. Shall be located within five feet of the entrance to an exit**
  - B. Shall be located on each floor including basements**
  - C. Shall be located at the level of discharge exits only**
  - D. Shall be red in color**
- 3. Is a three-story restaurant that measures 125 ft. x 120 ft. allowed to be constructed of Type II A construction?**
  - A. Yes**
  - B. No**
  - C. Only if the restaurant serves alcohol**
  - D. Only if it has a full basement**
- 4. What is the minimum distance apart that two exit doors in a 1 story building measuring 200 ft. x 300 ft. may be?**
  - A. A. 125 feet**
  - B. B. 175 feet**
  - C. C. 180 feet**
  - D. D. 50 feet**
- 5. What is the maximum temperature that a flue lining used in residential-type appliances in a masonry chimney must withstand?**
  - A. 1,200 degrees F**
  - B. 1,500 degrees F**
  - C. 1,800 degrees F**
  - D. 2,000 degrees F**

- 6. How many hours in advance must the building official be notified before commencing work on any project?**
- A. 12 hours**
  - B. 24 hours**
  - C. 48 hours**
  - D. 72 hours**
- 7. Does a double hung window with a minimum clear opening of 22 in. x 20 in. meet the requirements for an emergency escape window in a two family dwelling?**
- A. Yes**
  - B. No**
  - C. Only if it is made of tempered glass**
  - D. Only if it has a screen**
- 8. Are sleepers and sills on a concrete slab required to be pressure treated?**
- A. No, they can be untreated**
  - B. Yes, they must be pressure treated**
  - C. Only if they are above grade**
  - D. Only in moist environments**
- 9. What is the proper method of fastening a 2x4 wall stud to a sole plate in a two-family dwelling?**
- A. 3 - 8d nails**
  - B. 2 - 16d nails**
  - C. 4 - 10d nails**
  - D. Both A and B**
- 10. In a single family dwelling, how many inches should a 6 mil vapor barrier be lapped between the base course and concrete floor slab?**
- A. 4 inches**
  - B. 5 inches**
  - C. 6 inches**
  - D. 7 inches**

## **Answers**

SAMPLE

1. C
2. C
3. A
4. C
5. C
6. B
7. B
8. B
9. D
10. C

SAMPLE

## **Explanations**

SAMPLE



**1. What is the minimum required distance for offsetting end joints in top plates of a wood frame wall?**

- A. 12 inches**
- B. 16 inches**
- C. 24 inches**
- D. 36 inches**

The minimum required distance for offsetting end joints in top plates of a wood frame wall is 24 inches. This requirement is in place to enhance the structural integrity and load distribution of the wall assembly. By staggering the joints, it reduces the chances of creating a weak point where two ends meet, ensuring that the load is evenly distributed across a wider area. This practice helps to maintain the strength of the wall assembly and avoids potential issues such as cracking or failure over time. The recommendation of 24 inches aligns with building codes and best practices in construction, which emphasize the importance of avoiding continuous seams in structural elements. By following this guideline, builders can provide a more stable, resilient structure that is better equipped to resist loads and stresses during its lifecycle.

**2. Which of the following is NOT true regarding manual fire alarm boxes?**

- A. Shall be located within five feet of the entrance to an exit**
- B. Shall be located on each floor including basements**
- C. Shall be located at the level of discharge exits only**
- D. Shall be red in color**

The statement that manual fire alarm boxes shall be located at the level of discharge exits only is not true. Manual fire alarm boxes, commonly referred to as pull stations, are crucial for triggering the fire alarm system and should be easily accessible in various locations throughout a building. It's standard practice for these boxes to be installed within a reasonable distance from exits to ensure that they can be activated quickly by building occupants in the event of a fire emergency. In addition, building codes typically mandate that manual fire alarm boxes be placed on each floor, including basements, to ensure uniform accessibility throughout the structure. The preference for red color is also a common requirement, as it signifies emergency equipment and draws attention in case of a fire situation. Therefore, the assertion that they should only be located at discharge exits does not align with these standards and safety practices.

**3. Is a three-story restaurant that measures 125 ft. x 120 ft. allowed to be constructed of Type II A construction?**

**A. Yes**

**B. No**

**C. Only if the restaurant serves alcohol**

**D. Only if it has a full basement**

In the context of building construction, Type II A construction is a classification that allows for non-combustible materials with some fire-resistance rating. This type is commonly used for buildings that are considered of low hazard, which could include restaurants. For a three-story restaurant that measures 125 ft. by 120 ft., it is permissible under the building codes to use Type II A construction, provided that the specific regulations and limitations concerning building height, area, occupancy, and fire resistive ratings are observed. Given that this construction type can accommodate buildings of significant height and area, it aligns with the stated dimensions and use case of the restaurant. The options that suggest additional conditions, such as the restaurant serving alcohol or having a full basement, are not relevant to the general permission of using Type II A construction. Fire safety regulations apply uniformly based on the type of construction, building height, and occupancy load, rather than the specific function of the establishment. Therefore, allowing the construction of the three-story restaurant with the specified dimensions in Type II A construction adheres to the allowable regulations under the building codes, affirming the validity of the answer.

**4. What is the minimum distance apart that two exit doors in a 1 story building measuring 200 ft. x 300 ft. may be?**

**A. A. 125 feet**

**B. B. 175 feet**

**C. C. 180 feet**

**D. D. 50 feet**

In a one-story building, the placement of exit doors is governed by safety regulations aimed at ensuring quick and efficient evacuation in case of an emergency. The National Fire Protection Association (NFPA) guidelines often stipulate that the minimum distance between exit doors should be a certain percentage of the maximum diagonal distance across the building. In this case, the maximum diagonal distance for a building that measures 200 ft. by 300 ft. can be calculated using the Pythagorean theorem. Calculating the diagonal, we have:  $\text{Diagonal} = \sqrt{(200^2 + 300^2)} = \sqrt{(40000 + 90000)} = \sqrt{130000} \approx 360.55 \text{ feet}$ . The general rule for exit separation is that they should be spaced at least one-third the diagonal distance apart, which means:  $360.55 \text{ feet} \div 3 \approx 120.18 \text{ feet}$ . When considering the choices provided, the minimum distance of 180 feet is more than sufficient to meet safety standards. Thus, selecting 180 feet ensures compliance with regulations and maximizes safety by providing ample separation.

**5. What is the maximum temperature that a flue lining used in residential-type appliances in a masonry chimney must withstand?**

- A. 1,200 degrees F**
- B. 1,500 degrees F**
- C. 1,800 degrees F**
- D. 2,000 degrees F**

The maximum temperature that a flue lining used in residential-type appliances in a masonry chimney must withstand is 1,800 degrees Fahrenheit. This temperature standard is crucial for ensuring the safe operation of fireplaces and other heating appliances, as it helps prevent overheating and the potential for chimney fires. Flue liners are designed to channel the byproducts of combustion safely out of the home, and they need to be robust enough to tolerate the high temperatures generated during combustion processes. Meeting this specific temperature requirement is essential for maintaining structural integrity and minimizing risks associated with excessive heat exposure. As for other temperature thresholds mentioned, they exceed the necessary maximum for residential applications, which can lead to unwarranted costs and engineering considerations without providing added benefits.

**6. How many hours in advance must the building official be notified before commencing work on any project?**

- A. 12 hours**
- B. 24 hours**
- C. 48 hours**
- D. 72 hours**

The requirement to notify the building official 24 hours in advance before commencing work on a project ensures that all necessary inspections and safety regulations can be addressed appropriately. This lead time allows the building official to schedule inspections or review any necessary documentation, which is essential for maintaining compliance with local building codes and safety standards. The 24-hour notice is a practical timeframe that balances the need for oversight with the need for contractors to begin their work in a timely manner. Adhering to this notification period helps ensure that projects proceed smoothly and reduces the likelihood of violations that could result in delays or penalties.

**7. Does a double hung window with a minimum clear opening of 22 in. x 20 in. meet the requirements for an emergency escape window in a two family dwelling?**

**A. Yes**

**B. No**

**C. Only if it is made of tempered glass**

**D. Only if it has a screen**

To determine if a double hung window provides an adequate clear opening for emergency escape in a two-family dwelling, it's essential to refer to the code requirements for egress windows. The minimum clear opening requirements for emergency escape and rescue windows as stated in the code typically require a minimum width of 24 inches and a minimum height of 24 inches, with a minimum net clear opening of 5.7 square feet. In this case, while the window measurement of 22 inches by 20 inches may provide a decent size, it falls below the required minimum dimensions for width and height, thus failing to sufficiently meet the criteria for an emergency escape window. Therefore, the window does not meet the necessary building codes for egress requirements in a situation where immediate escape is needed. The other choices regarding tempered glass or screens are irrelevant in this context because the primary issue is with the dimensions of the window itself.

**8. Are sleepers and sills on a concrete slab required to be pressure treated?**

**A. No, they can be untreated**

**B. Yes, they must be pressure treated**

**C. Only if they are above grade**

**D. Only in moist environments**

Sleepers and sills situated on a concrete slab indeed must be pressure treated. This is crucial because wood in direct contact with concrete is susceptible to moisture, which can lead to rotting and infestations. Pressure-treated wood is subjected to a meticulous process that infuses preservatives into the timber, enhancing its resistance to decay, insects, and moisture. When installed within a building, these elements, because they sit close to or on a concrete surface, are prone to dampness—especially if the concrete is not adequately sealed or if there are fluctuations in humidity. While untreated wood might seem acceptable in some dry conditions, using it could lead to serious long-term structural issues. Thus, the requirement for pressure-treated wood adds a layer of protection that ensures the durability and integrity of the construction. The other options suggest conditions where pressure treatment might not apply, but these do not account for the inherent risks associated with wood near concrete, emphasizing why pressure treatment is a universal requirement in this context.

**9. What is the proper method of fastening a 2x4 wall stud to a sole plate in a two-family dwelling?**

- A. 3 - 8d nails**
- B. 2 - 16d nails**
- C. 4 - 10d nails**
- D. Both A and B**

Fastening a 2x4 wall stud to a sole plate in a two-family dwelling involves considering the appropriate load-bearing requirements and structural integrity. The correct method allows for adequate anchoring of the studs, ensuring stability within the wall assembly. Using either three 8d nails or two 16d nails meets the construction standards for securing the wall studs effectively. The 8d nails, which are 2.5 inches long, offer strong fastening when driven into the sole plate, while the longer 16d nails, being 3.5 inches long, provide even more holding power, particularly beneficial for supporting heavier loads or additional stress in multi-family structures. By combining both options into one answer—indicating that either method is acceptable—it's acknowledged that local building codes and the specific design requirements for the dwelling can support either choice, thus ensuring that the overall structural integrity and safety are maintained. The preferred method would depend on factors like the lumber grade, the load requirements, and the specific practices outlined in the Massachusetts Building Code. In conclusion, allowing for both methods provides flexibility to the builder while underscoring the importance of strong construction practices in multi-family dwellings.

**10. In a single family dwelling, how many inches should a 6 mil vapor barrier be lapped between the base course and concrete floor slab?**

- A. 4 inches**
- B. 5 inches**
- C. 6 inches**
- D. 7 inches**

In residential construction, the installation of a vapor barrier is critical for preventing moisture from penetrating the living spaces of a building, particularly in areas where ground moisture can migrate through the foundation. The requirement for lapping a 6 mil vapor barrier between the base course and the concrete floor slab is established in building codes to ensure an effective seal against moisture intrusion. A 6-inch lap is the standard practice for this application. This dimension helps to ensure that there is adequate overlap, creating a continuous barrier that minimizes the risk of moisture entry. The wider lap can account for any shifting or settling of the materials, as well as provide extra coverage, enhancing the effectiveness of the vapor barrier. Inadequate lapping could lead to gaps that allow moisture to pass through, undermining the barrier's purpose. Therefore, adhering to the 6-inch standard is essential for maintaining the integrity of the moisture control measures in the construction of single-family dwellings. This requirement reflects best practices in residential construction and contributes to the long-term durability and comfort of the home.