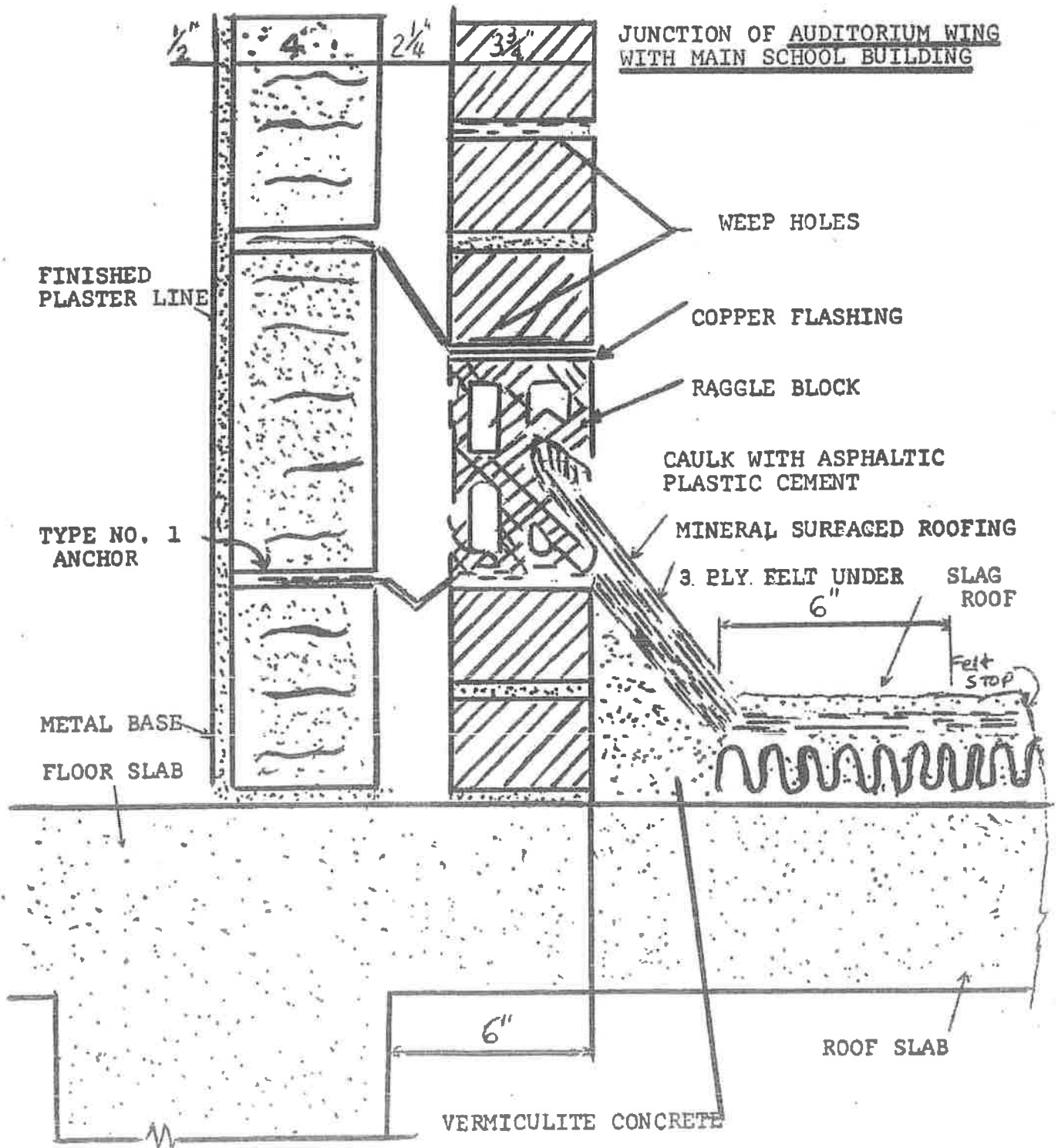


### TEST 3

DIRECTIONS: Each question or incomplete statement is followed by several suggested answers or completions. Select the one that BEST answers the question or completes the statement. PRINT THE LETTER OF THE CORRECT ANSWER IN THE SPACE AT THE RIGHT.

Questions 1-4.

DIRECTIONS: Questions 1 to 4 refer to the sketch below.



1. The  $\frac{1}{2}$ " of plaster would *most likely* be applied in \_\_\_\_\_ coats. 1. \_\_\_\_\_  
 A. one                      B. two                      C. three                      D. four
2. Vermiculite concrete is PRIMARILY \_\_\_\_\_ concrete. 2. \_\_\_\_\_  
 A. low-slump                      B. water-resistant  
 C. an air-entrained                      D. a lightweight
3. Which of the following statements relating to copper flashing is CORRECT? It 3. \_\_\_\_\_  
 A. is perforated in the air space  
 B. consists of one solid continuous sheet  
 C. consists of 2-inch strips spaced every foot  
 D. is provided to prevent the fall of mortar into the air space
4. The 4-inch thick material is *most likely* 4. \_\_\_\_\_  
 A. cinder block                      B. gypsum block  
 C. brick                      D. terra cotta
5. A rowlock course of brick is one in which the bricks are laid 5. \_\_\_\_\_  
 A. on their  $2\frac{1}{4}$ " x 8" surface  
 B. in an interlocking fashion  
 C. with dowels at set intervals  
 D. in a one-header followed by a one-stretcher course
6. Specifications for excavation for spread footings require that machine excavation be to within a foot of the final subgrade and the remainder of the excavation shall be by hand. 6. \_\_\_\_\_  
 The BEST reason for this requirement is to  
 A. prevent cave-ins near the excavation  
 B. cut down on the amount of fill needed  
 C. prevent excavation below the subgrade  
 D. insure that the area in the vicinity of the footing not be excessively disturbed
7. The CHIEF purpose in preparing an outline for a report is *usually* to insure that 7. \_\_\_\_\_  
 A. the report will be grammatically correct  
 B. every point will be given equal emphasis  
 C. principal and secondary points will be properly integrated  
 D. the language of the report will be of the same level and include the same technical terms
8. One of the properties of tempered plate glass which affects installation is that it 8. \_\_\_\_\_  
 A. has a blue tinge  
 B. cannot be cut after the glass is tempered  
 C. does not bond with putty or glazing compound  
 D. cracks more easily than ordinary plate glass

9. In assigning the men to various jobs, the BEST principle for a supervisor to follow is to 9. \_\_\_\_\_
- A. study the men's abilities and assign them accordingly
  - B. rotate a man from job to job until you find one which he can do well
  - C. assign each of them to a job and let them adjust to it in their own way
  - D. assume that men appointed to the position can do all parts of the work equally well
10. With respect to waterproofing existing basements, the MOST effective and lasting repairs are those made 10. \_\_\_\_\_
- A. on the earth side of a basement wall
  - B. on the inside basement wall surface
  - C. on the floor
  - D. in the mortar joints
11. During the actual construction work, the CHIEF value of a construction schedule is to 11. \_\_\_\_\_
- A. insure that the work will be done on time
  - B. reveal when production is behind schedule
  - C. show how much equipment and material is required for the project
  - D. furnish data as to the methods and techniques of construction operations
12. When building the formwork for a 12" doubly reinforced concrete wall, the USUAL order of construction is place the 12. \_\_\_\_\_
- A. formwork for both faces of the wall; then place the reinforcing steel
  - B. reinforcing steel and then place the formwork for both faces of the wall
  - C. formwork for one face of the wall, place the reinforcing steel, and then place the formwork for the other face of the wall
  - D. formwork for one face of the wall, place the reinforcing steel for one face, place the formwork for the other face of the wall, and then place the reinforcement for the second face
13. The GREATEST period of time must elapse between 13. \_\_\_\_\_
- A. pouring and stripping concrete formwork
  - B. placing reinforcing steel and pouring concrete
  - C. applying the finish plaster coat and painting a plastered wall
  - D. applying the first and second coats of a 3-coat plaster job for a wall
14. A fixed amount of money is generally withheld from the contractor for a definite period after the completion of construction. 14. \_\_\_\_\_
- The BEST reason for this is
- A. that the money will be available for taxes due
  - B. to penalize the contractor for poor work
  - C. that it is a security for the repair of any defective work
  - D. that the money will be available for modifications in the design of the structure

15. The practice of applying the brown coat to a wall on the day after the scratch coat of gypsum plaster was applied is GENERALLY considered 15. \_\_\_
- satisfactory
  - satisfactory only if the temperature is between 50° and 70°F
  - unsatisfactory because 7 days must elapse between the application of the scratch and brown coats
  - unsatisfactory because at least 3 days must elapse between the application of the scratch and brown coats
16. Fiberboard material 2 inches thick is placed on a flat reinforced concrete roof. 16. \_\_\_  
The PRIMARY function of this 2 inch thick material is to
- act as a vapor barrier
  - soundproof the rooms below
  - prevent loss of heat from the building
  - keep water from penetrating the ceiling below
17. The PRIMARY purpose of adding lime to a mortar mix is to 17. \_\_\_
- improve the appearance of the mortar
  - increase the workability of the mortar
  - increase the strength of the mortar
  - improve the bearing capacity of the wall
18. Assume that excavation is taking place adjacent to a building on a spread footing and a building on pile foundations. 18. \_\_\_  
EXTREME care must be exercised in excavating
- near the pile-supported building because the soil in the area is of poor quality
  - near a building on spread footings because the concrete footings may crack
  - for a pile-supported foundation because heavy loads are involved
  - near a building on spread footings because of the danger of undermining the foundations
19. An inspector inspecting a large building under construction inspected brickwork at 9 A.M., formwork at 10 A.M., and concrete at 11 A.M. and did his office work in the afternoon. He followed the same pattern daily for months. This procedure is 19. \_\_\_
- bad* because not enough time is devoted to concrete work
  - bad* because the tradesmen know when the inspections will occur
  - good* because it is methodical and he does not miss any of the trades
  - good* because it gives equal amount of time to the important trades
20. If a supervisor finds a discrepancy between the plans and specifications, he SHOULD 20. \_\_\_
- always follow the plans
  - ask for an interpretation
  - always follow the specifications
  - follow the plans if the difference is in dimensions

**KEY (CORRECT ANSWERS)**

- |       |       |
|-------|-------|
| 1. B  | 11. B |
| 2. D  | 12. C |
| 3. B  | 13. C |
| 4. A  | 14. C |
| 5. A  | 15. A |
| 6. D  | 16. C |
| 7. C  | 17. B |
| 8. B  | 18. D |
| 9. A  | 19. B |
| 10. A | 20. B |
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