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Department of Architectural Technology

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ARCH 1240 METHODS OF CONSTRUCTION IN ARCHITECTURE

NAME _____ Date: _____

QUIZ 11:

1. Name four of the primary functional requirements of the exterior wall of a building:

2. The exterior wall of a building must accommodate _____ due to changes in temperature.

3. As the structural frame of a building may not be built plumb, any attachment system for a curtain wall must permit _____.

4. What are the three conditions required for water to be able to penetrate a wall?

5. Name two forces that can move water through a wall and the corresponding solution to neutralize each force:

6. What is the name for the process for closing off any vertical passages in the exterior wall that connect two stories and could lead to potential flame spread?

7. An exterior wall system that seeks to prevent any penetration of water is called a _____ wall. An exterior wall system that is built with unsealed joints to purposely let air pressure equalize between the two sides of the veneer is called a _____.

8. Masonry veneer curtain walls typically support the veneer on a _____ located at each storey of the building.

9. Expansion and Contraction:

Bricks and building stone generally _____ slightly after they are installed. Concrete blocks and precast concrete generally _____ slightly after installation.

10. Sketch a brick veneer curtain wall section detail with CMU backup on a concrete frame structure. Label the above elements and show the typical location of the insulation in this wall type.

Extra Credit:

11. Sketch and label the elements of a brick veneer wall drainage system at the shelf angle.