PROJECT DEVELOPMENT & DOCUMENTATION MOCK CASE STUDY

1.   How many women's room WC's will be needed for this project? (Assume that the building is 50,000 sf gross, but 40,000 sf net area is to be used for calculation purposes)

        a. 4 WC's

        b. 5 WC's

        c. 9 WC's

        d. 18 WC's

2.   **Which of the following structures / spans are most likely?**

        a. Concrete joist pan construction with 18' spans

        b. Structural steel wide flange framing plan with 35' spans

        c. Open web steel joists spanning 65' to masonry bearing walls

        d. 2x12's at 16" o.c. with 24' spans

3.   **What hourly fire rating will be required for non-bearing partitions in the interior portion of the building?**

        _____

4. **In a fire emergency panic, how many rated stairwells are there required to be found in the floor plan to get people to safety?**

        a. 1 is required

        b. 2 are required

        c. 3 are required

        d. 4 are required

5. **Where will the vapor barrier be located?**

        a. Just below the siding material

        b. On the cold side of the insulation

        c. Just inside the interior finish material

        d. There is no vapor barrier in commercial buildings

6. **Which of the following are most likely to be included on the site plan, landscaping plan and civil drawings?**

        a. Encapsulation details of the oil tank

        b. A parking lot for 90 cars

        c. A line of deciduous trees for wind control

        d. Storm-water runoff systems

7.   Which of the following will likely be included in the fenestration system? (Choose 3 that apply)

       a. Low e coating on surface 1 (of double glazed windows) on the south side

       b. Reflective sills and horizontal mullions to reflect light deep into the office space

       c. Low e coating on surface 2 (of a double glazed windows) on the SE side

       d. Low e coating on one of the double glazed window surfaces on the north side

       e. Window system with a high U value

       f. Laminated glass at all skylight locations

8.   Standpipe access will be where:

       a. East side of the site

       b. Typical cleanouts will be at each direction change

       c. Facing the sidewalk

       d. Rooftop connection to the RTU

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