1. Define the term “Non-combustible Construction.”
   a. All construction material must be made of non-combustible material.
   b. Although “non-combustible” the building may or may not have fire-resistive properties.

2. Discuss the fire-resistive ratings of the construction components used in Type II Construction.
   a. Maybe nonexistent.
   b. If it is “protected non-combustible” it may have a 1 or 2 hour fire resistance rating.

3. Point out the differences in Type I and Type II construction.
   a. Allowable area and height is much less than fire resistive construction.
   b. Fire resistive can have unlimited height.
   c. Fire-resistant construction can use steel for its framing system.

4. Discuss the fire problems associated with insulated metal deck roofs.
   a. When a fire occurs the metal deck heats up.
   b. Heat is conducted through the deck to the bituminous adhesive.
   c. Adhesive liquefies and then vaporizes.
   d. When the gas mixes with the air below, it ignites from the fire below.

5. Discuss the types of protection for steel structure.
   a. Unprotected.
   b. Dynamic protection.
   c. Passive protection.
   d. Passive/dynamic combination.