

Ques 3/②

Column head - Column head is a bracket on top of column or an enlarged cross section of column at its top on which other structural member can rest. It provide additional base area (more than that of column cross sectional area) which serves as a base to other structural members.

Drop - A projection below the slab used to reduce the amount of negative reinforcement over a column or the minimum required slab thickness, and to increase the slab shear strength. Drop panel is a thickened portion of flat slab column to resist shear at flat slab and column junction. It is part of flat slab. It doesn't support any other structural member.

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Ques 4/② Counterfort retaining wall - A counterfort retaining wall is a cantilever wall with counterforts, or buttresses, attached to the inside face of the wall to further resist lateral thrust. Some common materials used for retaining walls are treated lumber, concrete block systems, poured concrete, stone and brick.