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A reinforced concrete slab is a planar structural element and is used to provide a flat surface (floors/ceilings) in buildings. On the basis of reinforcement provided, beam support, and the ratio of the spans, slabs are generally classified into one-way slab and two-way slab.

Selection of floor system. Actual floor systems in buildings come in all sizes, shapes, and forms. There are so many variables to any floor system such as different spans, offset spans, cantilevers, and the extent of continuity, the effects of beams, columns and walls on the slab system, etc that it is difficult to cover all situations in a limited series of charts.

### Different Types of Slabs in Construction - Civil Snapshot Slab on Grade or Grade Slab | Types | Construction procedure

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Slabs which are directly laid on the earth to support walls and other structural elements are called as Slab on grade or Grade Slabs. There are two different types Supported slab on grade and monolithic slab on grade. Learn more about construction procedure with video explanation.

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While making structural drawings of the reinforced concrete slab, the slabs are abbreviated to "r.c.slab" or simply "r.c.". Design of various types of slabs and their reinforcement. For a suspended slab, there are a number of designs to improve the strength-to-weight ratio.

A floor is the bottom surface of a room or vehicle. Flooring is the general term for a permanent covering of a floor, or for the work of installing such a floor covering. A lot of variety exists in flooring and there are different types of floors due to the fact that it is the first thing that catches your eye when you walk into a house, as it spans across the length and

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### Concrete Slab Types - Construction, Cost, and Applications

Raft foundation is a continuous solid slab resting on the soil and covering the total area of the structure. Raft foundations and types of raft foundation based on their applications. The selection of the type of raft foundation depends on a lot of factors like bearing capacity, loads, site conditions, etc

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Classification or Type of Concrete Slab. In general, slabs are classified as being one-way or two-way. Slabs that primarily deflect in one direction are referred to as one-way slabs. When slabs are supported by columns arranged generally in rows so that the slabs can deflect in two directions they are usually referred to as two-way slabs.

Different Types of Slabs in Construction December 25, 2017 January 26, 2018 - by Kathir - 2 Comments. A Reinforced Concrete Slab is the one of the most important component in a building.

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12. Slab on grade. The slab which is cast on the surface of the earth is called a Ground slab. Generally, slab on grade is classified into three types: 1. Slab on ground. It is the simplest type of slab on grade which is a composite of stiffening beams constructed from concrete around perimeter of the slab, and has a slab thickness of 100mm.

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This method is widely used in building monolithic slabs for mega house construction projects where expansive soil sometimes creates problems. Moreover, post-tensioned concrete is also used in bridges. Pre-tensioning Cables [Image source: Wikimedia Commons] Unbonded Post-tensioned Concrete. It is little different from bonded post-tensioned concrete.

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