

Slab

- unlimited possibilities for the designer
- any shape
- types of element
- Slab on grade 2 ways Slabs systems
- Post-tensioning
- site cast concrete is massive and monolithic imparting a powerful arch. character

Foundations

3 general requirements for building

Foundation must be:

- Safe against structural failure/collapse ex.
- Can't settle during life of building in a way that could damage ^{the} structure
- Feasible, economical and practical

Earth materials categories

Rock, silt, boulder, cobble, gravel,

sand, silt, clay, organic soils

• Properties

A. Strength

B. Shear resistance

C. stability / moisture content

D. Drainage characteristics

