

## Shoring

Sometimes the structures are to be temporarily supported which is known as shoring.

Used when

- Adjacent structures are to be dismantled
- Cracks developed due to unequal settlement of foundation of a wall
- Defective walls of building are to be dismantled and rebuild
- Large opening are required to be made in the walls of an existing building.

## Types of shoring

### 1. Racking/inclined shoring

- Nee tie is penetrated to wall to 150mm
- Inclination of rakes:  $45^{\circ}$ - $75^{\circ}$ 
  - The inclined support are given to external wall from the ground.
  - The rider rakers are used to reduce the length of raker.
  - Large FOS should be adopted for the design

### 2. Flying or horizontal shore

- Inclination of strut is  $45^{\circ}$ - $60^{\circ}$

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