

Fall Arrest Example

Fall arrest allows a worker to travel along a leading edge fall Hazard by adjusting a lifeline or SRL-LE length in order to prevent a free fall of more than 6ft.* Service zone angles off vertical center from the anchor point are determined by the anchor and fasteners strength to arrest a fall.

Fig.1

Fall Arrest Rigging Example w/Vertical Lifeline

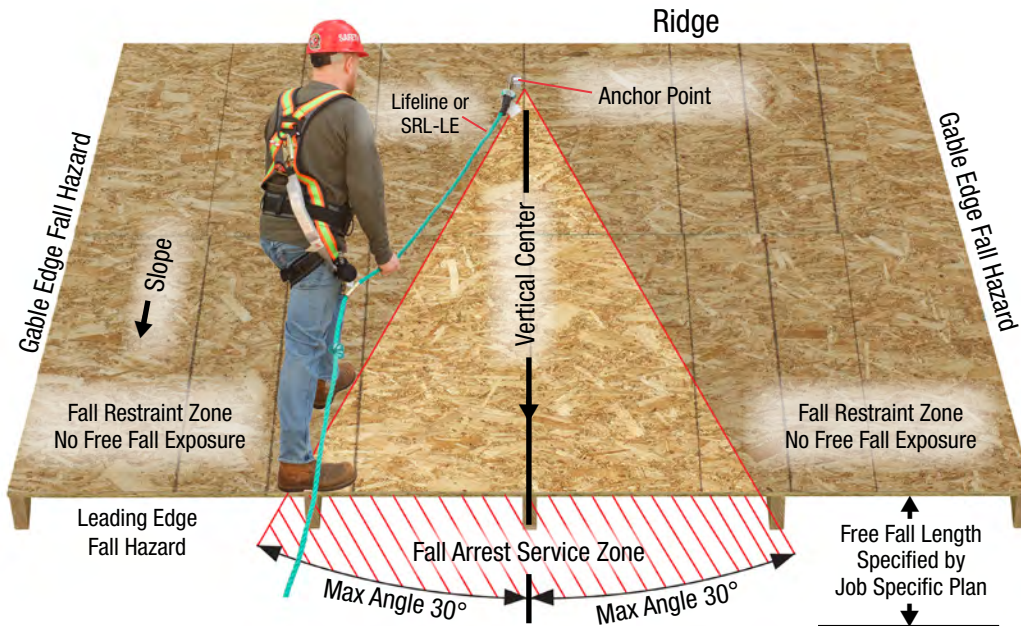


Fig.2

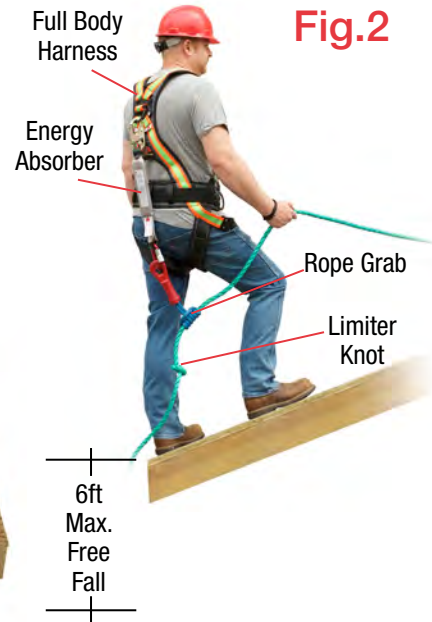
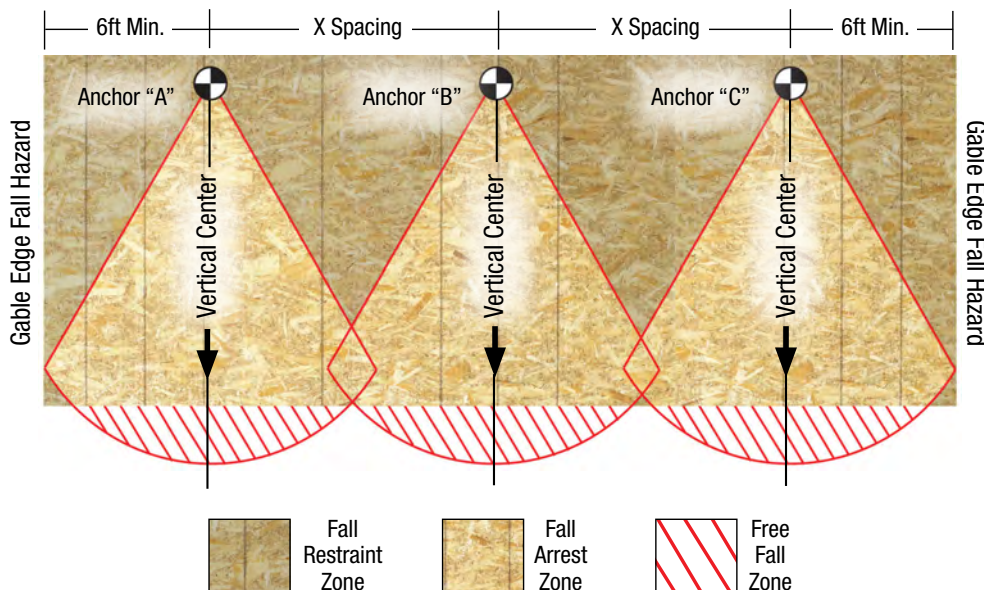


Fig.3

30° Fall Arrest Service Zones Example



Note: Areas outside a fall arrest service zone are designated fall restraint and require to adjust the workers position on the lifeline to prevent travel near or over a leading or gable edge fall hazard. Additional anchor points are required for fall arrest coverage in fall restraint areas.

*Some fall Protection equipment are rated for a 12ft free fall.

**See OSHA Definition

6ft Free Fall

Free fall lengths are specified by OSHA 1926.502 and require a 310lb workers PPE to arrest a fall without exceeding a max. arrest force of 1,800lb without striking the ground or a lower level.

30° Angle Example

Service zones based on a 30° +/- angle, limit the length of a swing fall. Adjustments can be made in the degree of the service zone angle based on a job specific plan (JSP) designed by a qualified or competent person.**

Anchor Spacing

(X) Spacing is determined by:

- Rafter length
- Degree of anchor loading off vertical center
- Allowable free fall over a leading edge