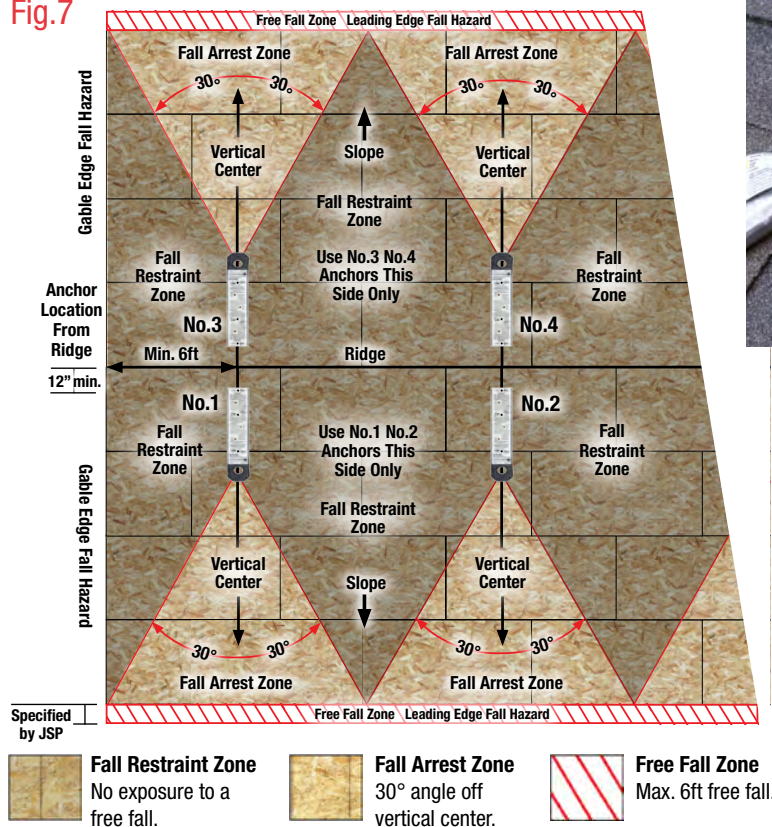


Fall Protection Service Zones

Fig.7 is an example of a typical anchor layout based on 30° fall arrest service zones and the anchors fastener strength. Anchor locations and spacing are determined by the rafter length and top chord location and are required to be specified by a qualified person.*

Fig.7



OSHA Free Fall Length

The PPE example shown at Fig.11, requires to use the following factors to limit free falls to 6ft or less.

- Harness dorsal D-ring height above the leading edge.
- Service length of personal E/A vertical position.
- Length of lifeline slack.

Fastener Strength

Table 1 fasteners have a min. pull out strength of 3,600lb with service load applied as shown at Fig.7.

Anchor Locations/Spacing

Space anchors a max. of 8ft o.c. or as engineered in a job specific plan, (JSP) by a competent person.*

Energy Absorber (E/A)

Workers are required to use an OSHA or ANSI compliant E/A.

E/A Type	Max. Force	Avg. Force
Personal	1,800lb	900lb
SRL-LE	1,800lb	1,350lb

Fig.11
PPE Equipment



Table 1 SAS Fasteners

Part No.	Type
2012-A	16d Duplex Nail
2013	Spiral Shank 3"sst Nail
2045-3.5	Bugle Head 3-1/2" Screw

WARNING! Do not use 16d sinkers or duplex nails for permanent installation.

Fig.8

Fall Arrest Service Load

Must not exceed a 30° angle to the left or right of vertical center as shown at Fig.7.



Fig.9

Wrong Load Direction

Do not reverse load anchors when exposed to a free fall.

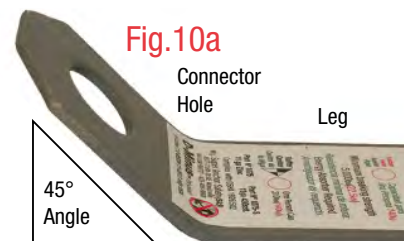


Job Specific Fall Protection Plan

Project safety personnel* are required to implement a job specific fall protection plan, (JSP) identifying free fall and swing fall hazards, and instructing workers to observe fall protection service zones as shown at Fig.7.

Fall Indicator

The D-Minus leg connector hole is bent at a 45° angle as shown at Fig.10a, and is designed to deform as shown at Fig.10b, when subjected to a free fall or other force.



WARNING! Deformed Anchor

Leg is less than 45°. Remove from service and dispose of in a way that prevents further use.

Fig.10b



DO NOT RE-BEND DEFORMED ANCHORS

SAS Supplied Fasteners

16d Duplex Nail Temporary Use



Spiral Shank sst Nail Permanent Use



Bugle Head sst Screw Permanent Use

