

Direction of Fall Protection Load

Fall Arrest: Do not exceed a 30° angle from the anchors vertical center. See Fig.5.

Do not use on slopes greater than 12/12.

Fall Restraint: No exposure to a free fall, perimeter edge or other fall hazard. See Fig.7,13.

Reverse and Side Load Warning!

Shown at Figs. 6, and 10b, fasteners may unzip, (pull out) when subjected to a free fall resulting in serious injury or death. Do not side load anchors when exposed to a fall hazard, static loading, or slopes over 12/12.

Anchor Location/Spacing

Install anchors at the ridge or in the field a min. of 6ft from gable edges or free fall hazards.

See Fig.13. Space anchors a max. of 8ft o.c. or as specified in a job specific plan, (JSP) by a competent person.* Contact SAS plan service for an anchor location plan. Do not install anchors over hips or the underside or side of a top chord.

Vertical Wall

Use only No.2816 RS-20 with Bugle Head screws. Attach anchor to a fully sheathed wall that is braced to support the fall protection load. See Fig.3 and 13. **Do not use nails for vertical wall anchor attachment.**

Permanent Installation over Roofing Membrane

Use SAS supplied butyl strips or caulking between the anchor leg underside and the roofing material. See Figs.3 and 9. Caulk fastener heads and leg sides for slopes less than 4/12, or in high wind areas.

Re-Roofing

Table 1 fasteners are specified for a single layer of asphalt roofing material.

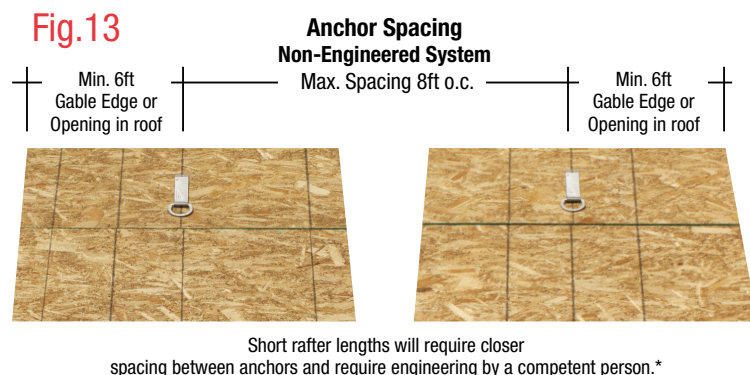
The min.fastener depth into a top chord is 2". See Fig.4. Contact SAS for longer length fasteners when installing over more than one layer of asphalt roofing.

Tile Roofing Specification

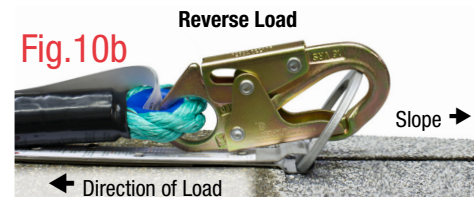
Use No.2816 RS-20 and install one anchor on each side of the ridge or in the field.

Conform the anchor leg to the tile profile. See Fig.11. Position the D-ring exposure before installing the anchor. See Fig.12. A min. of 5 fasteners are required starting at the top of the leg.

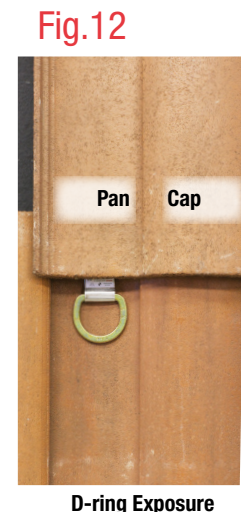
D-ring Position: High profile tile caps (barrel) and pans may not align with the top chord as shown at Fig.11.



Service Load
PPE attachment to the D-ring must be downslope from vertical center. See Fig.5.



WARNING! DO NOT USE ANCHOR IN THIS POSITION
Load is applied in the opposite direction of the slope.



Overlapping Tiles: It may be necessary to remove material from the tiles underside for proper fit over the anchors leg. Caulk the overlap if necessary to prevent wind driven particles and water penetration.