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American Earth Anchors

The best screw you will have in the dirt™

ANCHOR APPLICATIONS

Sheds

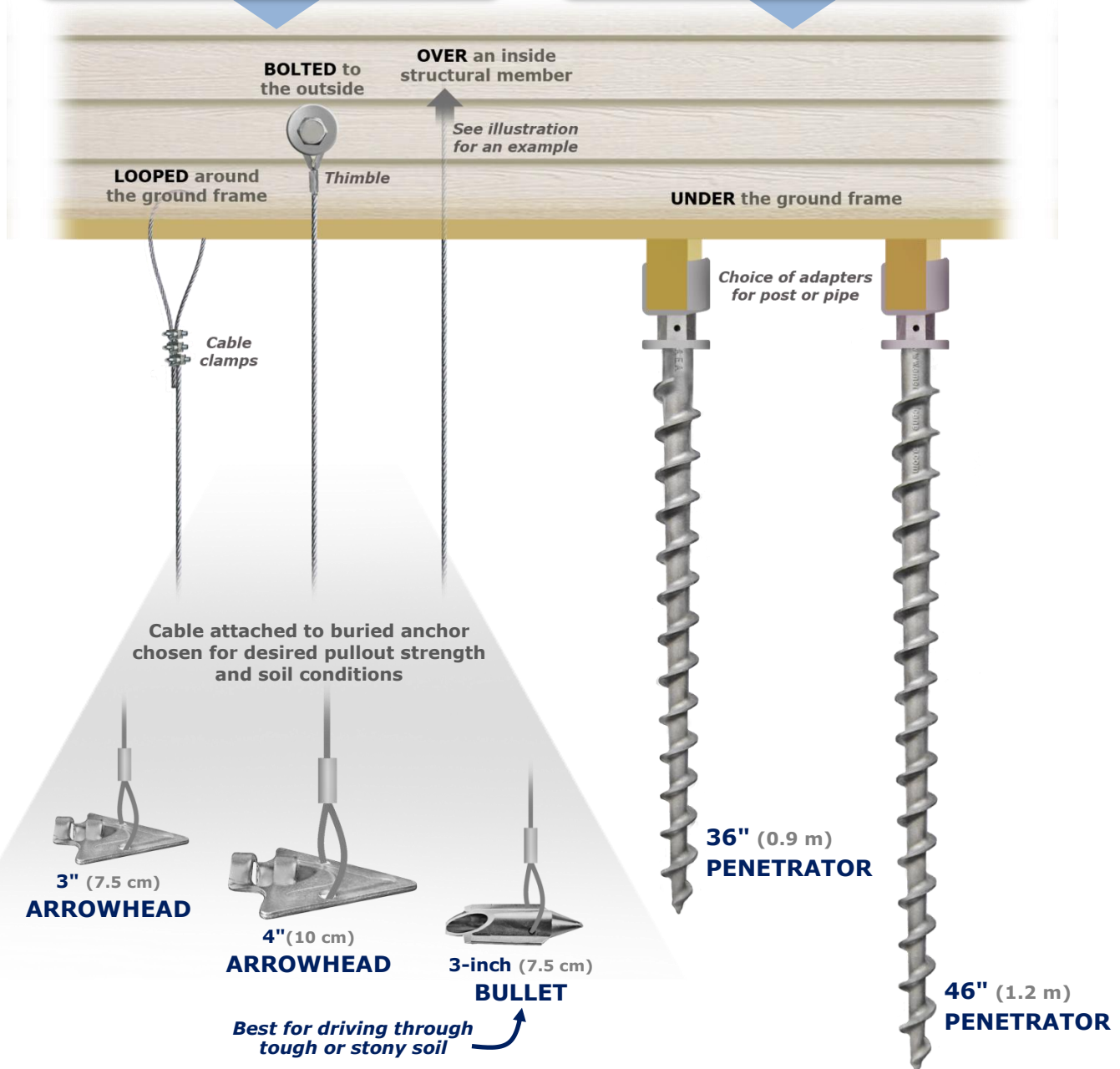


CABLED ANCHORS

For HOLD-DOWN

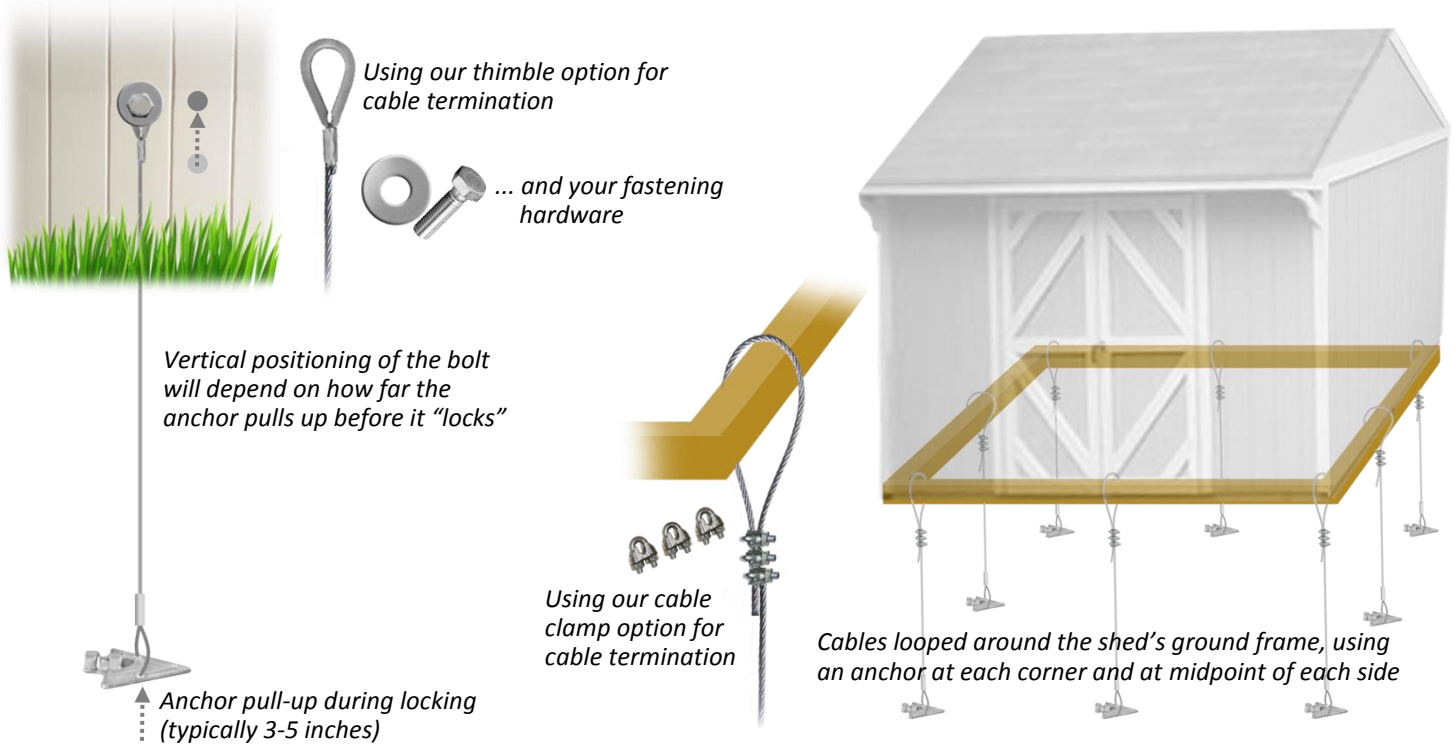
PENETRATORS

For combined HOLD-DOWN/FOOTINGS



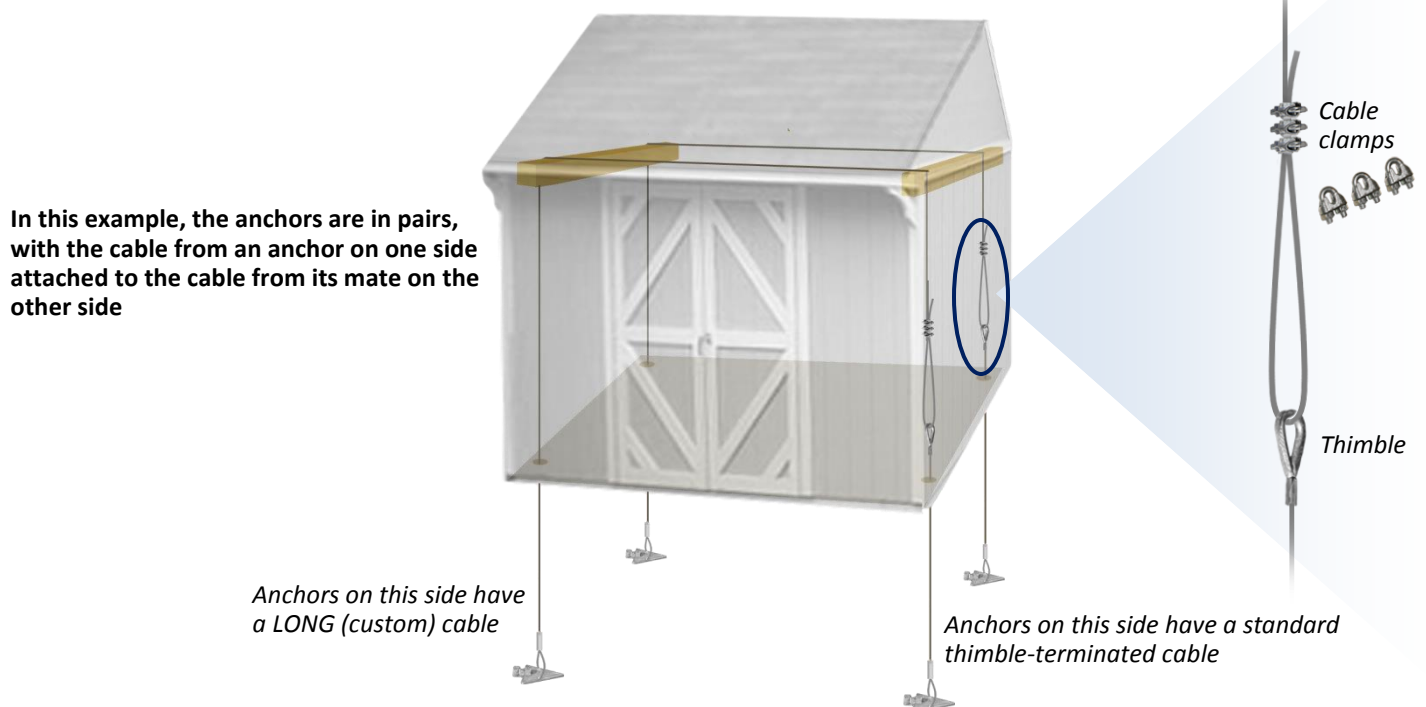
ANCHORING METHODS

EXTERNAL – Attached to the shed's wall or ground frame



The specific method, and the number and placement of anchors, will depend upon shed size, soil conditions, and user preference

INTERNAL – Through the floor and secured to (or over) a structural member



Combined ANCHOR and FOOTING

If a larger shed needs **support** as well as **hold-down** (i.e., requires footings), the large Penetrators can provide both functions with the same anchor. The largest (46") can replace poured concrete as an easier, faster, equally effective, and less expensive alternative.



The large Penetrators provide both **hold-down** (like an anchor) and **support** (like a footing)

- No digging
- No forms
- No pouring
- No waiting

36"
(0.9 m)

46"
(1.2 m)

ATTACHMENT METHODS

Ours / yours / custom

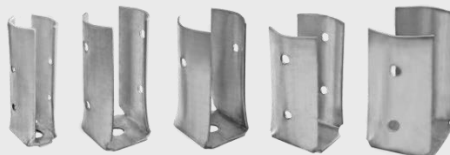
We can make brackets to your specification



2" pipe



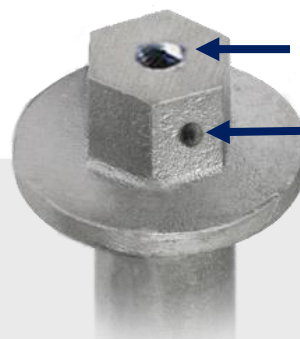
4x4 lumber



For pipe or round post



For square post



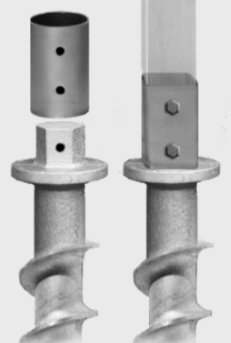
Threaded hole
for 3/4" -10 bolt

Clear hole
3/8" (9.5 mm)
For bolt or
grounding wire

2 1/4" I.D. (58 mm)
pipe fits over

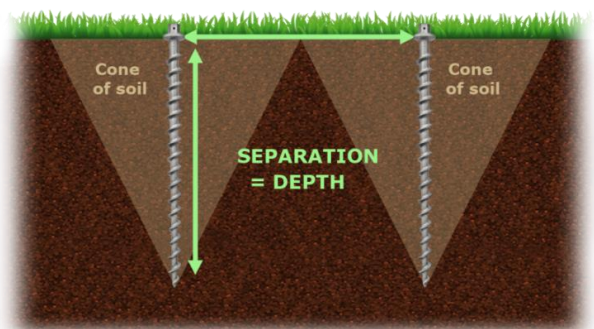
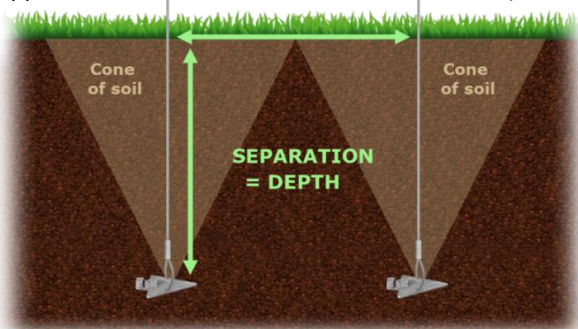


SLEEVES



Installation

SPACING: For best holding strength, anchors should be installed at a minimum spacing equal to the depth of the anchor, in order to avoid each other's "cone of soil" — the region of soil that contributes to an anchor's holding strength. This applies to both cabled anchors and Penetrator (screw-type) anchors.



Sledge hammer

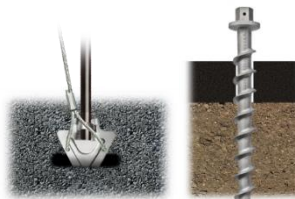


Demolition hammer



Pull to "lock"

Watch installation videos at aeavideo.com



Through asphalt:
Slot or pilot hole FIRST



Impact wrench



Electric or
pneumatic



Power take-off

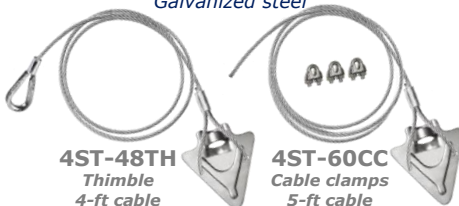
46"
(1.2 m)

36"
(.9 m)

ARROWHEAD 3" (7.5 cm)
Galvanized steel



ARROWHEAD 4" (10 cm)
Galvanized steel



BULLET 3" (7.5 cm)
Bullet: Anodized aluminum
Cable: Galvanized steel



PULLOUT STRENGTH

SOIL TYPE ↓	3" Arrowhead Min. depth 2'	4" Arrowhead Min. depth 2.5'	3" Bullet Min. depth 2'	36" Penetrator	46" Penetrator
Hardpan or asphalt	2,000 lb 8.90 kN	3,500 lb 15.6 kN	2,000 lb 8.90 kN	8,400 lb 37.4 kN	14,000 lb 62.3 kN
SOIL CLASS 1 Dense sand or gravel	1,800 lb 8.01 kN	2,200 lb 15.6 kN	1,800 lb 8.01 kN	6,000 lb 26.7 kN	9,500 lb 42.3 kN
SOIL CLASS 2 Medium sandy gravel	1,700 lb 7.56 kN	1,900 lb 15.6 kN	1,700 lb 7.56 kN	2,100 lb 9.34 kN	3,300 lb 14.7 kN
SOIL CLASS 3 Loose medium- to-fine sand	600 lb 2.67 kN	900 lb 15.6 kN	600 lb 2.67 kN	1,000 lb 4.45 kN	2,000 lb 8.90 kN
SOIL CLASS 4 Loose fine un- compacted sand	350 lb 1.56 kN	475 lb 15.6 kN	350 lb 1.56 kN	350 lb 1.56 kN	1,100 lb 4.89 kN



PENETRATOR

Aluminum

PE36

PE46-Hex

