

FIGURE 5.
RAISED INTERMEDIATE
A-FRAME

The A-frame construction should always start and terminate with a terminal A-frame. Terminal A-frames are used at every fifth A-frame or change of direction.

To construct a terminal A-frame proceed as with an intermediate A-frame.

Then place a second A-frame under the first A-frame in line with the marker stake and secure with an anchor stake and marlin twine using a clove hitch and X pattern. (See Figure 6.)

Wrap a piece of marlin twine or WD-1()/TT around the A-frame leg 3 feet from the ground using a clove hitch on the first leg. Then extend twine on the second leg, wrapping around the leg. Ensure the marlin twine is on the outside of the leg, as it goes around the A-frame. Continue wrapping until all four legs are wrapped. secure with a square knot. (See Figure 7.)

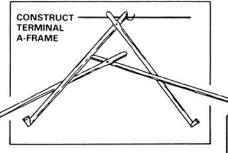


FIGURE 6.
PREPARING TO RAISE
SECOND A-FRAME UNDER
THE FIRST ONE

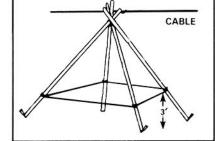


FIGURE 7. COMPLETED TERMINAL A-FRAME

CONSTRUCTING AND SETTING UP A-FRAME SUPPORTS FOR CABLE

MOS 31L

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A-FRAME CONSTRUCTION

The quantity of supplies required to install the A-frames will depend on the length of the cable line. Each mile of A-frame/cable line will require the following supplies:

- · Sixty-five A-frames at 100 foot intervals.
- Four kilometers (2.5 miles) of field wire or two rolls or spools of marlin twine.
- . Two hundred and sixty stakes.
- · One hundred and thirty-four preformed cable grips.
- In addition, construction of a cable line of any length will require one 2 1/2 ton truck, one 5/4 ton truck, one reel unit, and four CX-11230/G, cables.

An A-frame will require:

- Two supports (2 by 4 or poles) 22 feet long.
- A bolt (1/2 to 5/8 inch) 5 to 6 inches long with washer.
- · One drive hook.
- Minimum 4 Personnel.

BUILDING THE A-FRAME

Construct the frame as follows:

- Cut the supports to 22 foot lengths.
- Drill a hole 2 feet from one end of each support.
- Lay one support on top of the other so that the holes match.
- Insert the bolt through the holes and tighten the nut on the bolt. Drive the drive hook 6 inches from the top of one of the supports. If more than

The intermediate A-frame is installed as a single A-frame in the following manner:

Survey and stake the line: (See Figure 2.)

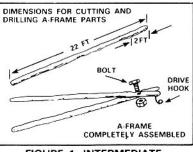


FIGURE 1. INTERMEDIATE
A-FRAME PARTS

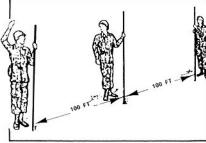


FIGURE 2. SURVEYED AND STAKED LINE

Lay the cable parallel to the ground in line with the stakes.

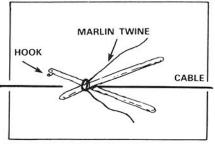
Place the head of the A-frame alongside the cable with the legs facing the running end.

Secure the cable to the drive hook.

Spread the legs approximately 20 feet.

Cut approximately 50 feet of marlin twine or WD-1 ()/TT.

Fold marlin in half and secure it to the X of the A-frame by looping around where the ends are running from the top of the A-frame X. (See Figure 3.)



MAKE 3X'S
WRAP
3 TIMES
AFRANE
GROUND

FIGURE 3.
PREPARED INTERMEDIATE A-FRAME
ON THE GROUND

FIGURE 4. ANCHOR FOR LEGS

Raise A-frame. One person should stand at the base of the two legs to prevent slippage. A third person should raise the head of the A-frame waist high and walk it up. The forth person should hold the cable with tension on the running end to prevent the A-frame from falling.

Drive the anchor stake at an angle at each leg and secure the leg with a clove hitch around it, wrapping marlin twine in a X pattern (See Figure 4.) between the leg and the stake (min of 3). End this tie with a square knot tied on the inside of the stake.

Drive two stakes in line with the cable approximately 17 feet on each side of the A-frame. Secure the marlin twine ends to these stakes using three wraps and a square knot.

Erect all intermediate A-frames as shown in Figure 5.

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