

CHAPTER 4

RIGGING SHILLELAGH MISSILES
IN THE A-22 CARGO BAG

4-1. Description of Load

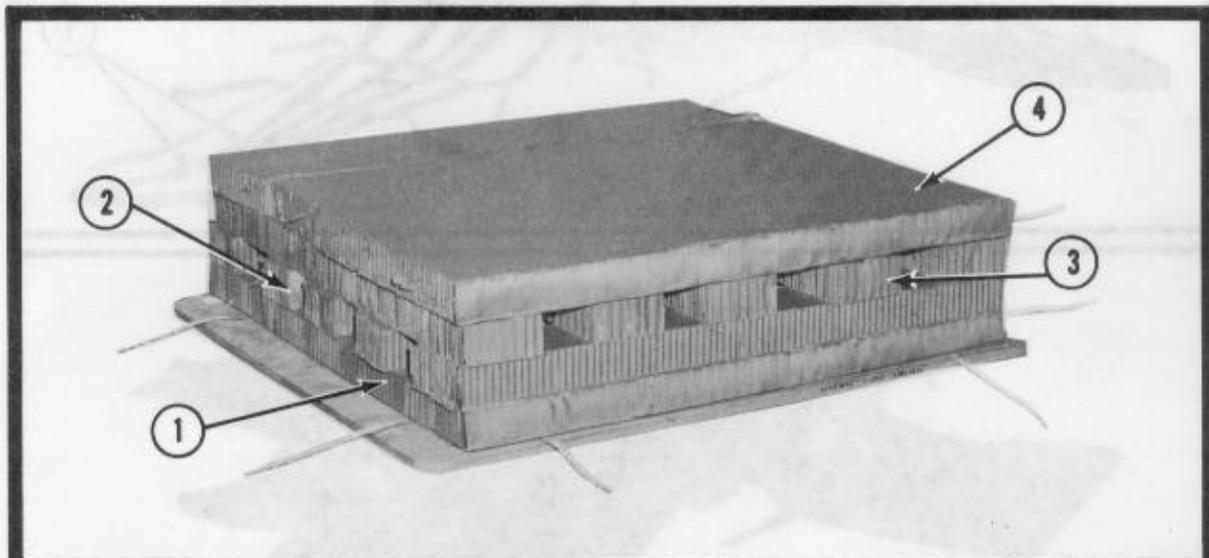
Nine M51C Shillelagh missiles in their containers are rigged in an A-22 cargo bag on a standard skid (NSN 1670-00-883-1654) or a piece of 3/4- by 48- by 53 1/2-inch plywood with one G-12D cargo parachute. Each missile in its container weighs 116 pounds.

4-2. Preparing the A-22 Cargo Bag

Prepare the skid, and lay out the A-22 cargo bag according to procedures given in FM 10-501/TO 13C7-1-11.

4-3. Placing Honeycomb

Place the honeycomb on the skid as shown in figure 4-1.



- ① Make one layer of honeycomb with one 36- by 48-inch piece of honeycomb and one 12- by 48-inch piece of honeycomb placed side by side on the skid.
- ② Place a layer of five 6- by 48-inch pieces of honeycomb on the first layer of honeycomb. The 6-inch sides should be 4 1/2 inches apart and aligned with the 48-inch sides of the skid.
- ③ Place a layer of five 6- by 48-inch pieces of honeycomb on the second layer of honeycomb. The 6-inch sides should be 4 1/2 inches apart and aligned with the 53 1/2-inch sides of the skid.
- ④ Place a layer of honeycomb with one 36- by 48-inch piece of honeycomb and one 12- by 48-inch piece of honeycomb side by side on layer 3.

Figure 4-1. Honeycomb placed on skid.

4-4. Placing Cargo Bag

Place the sling assembly and the cover on the skid according to procedures given in FM 10-501/TO 13C7-1-11 and as shown in figure 4-2.

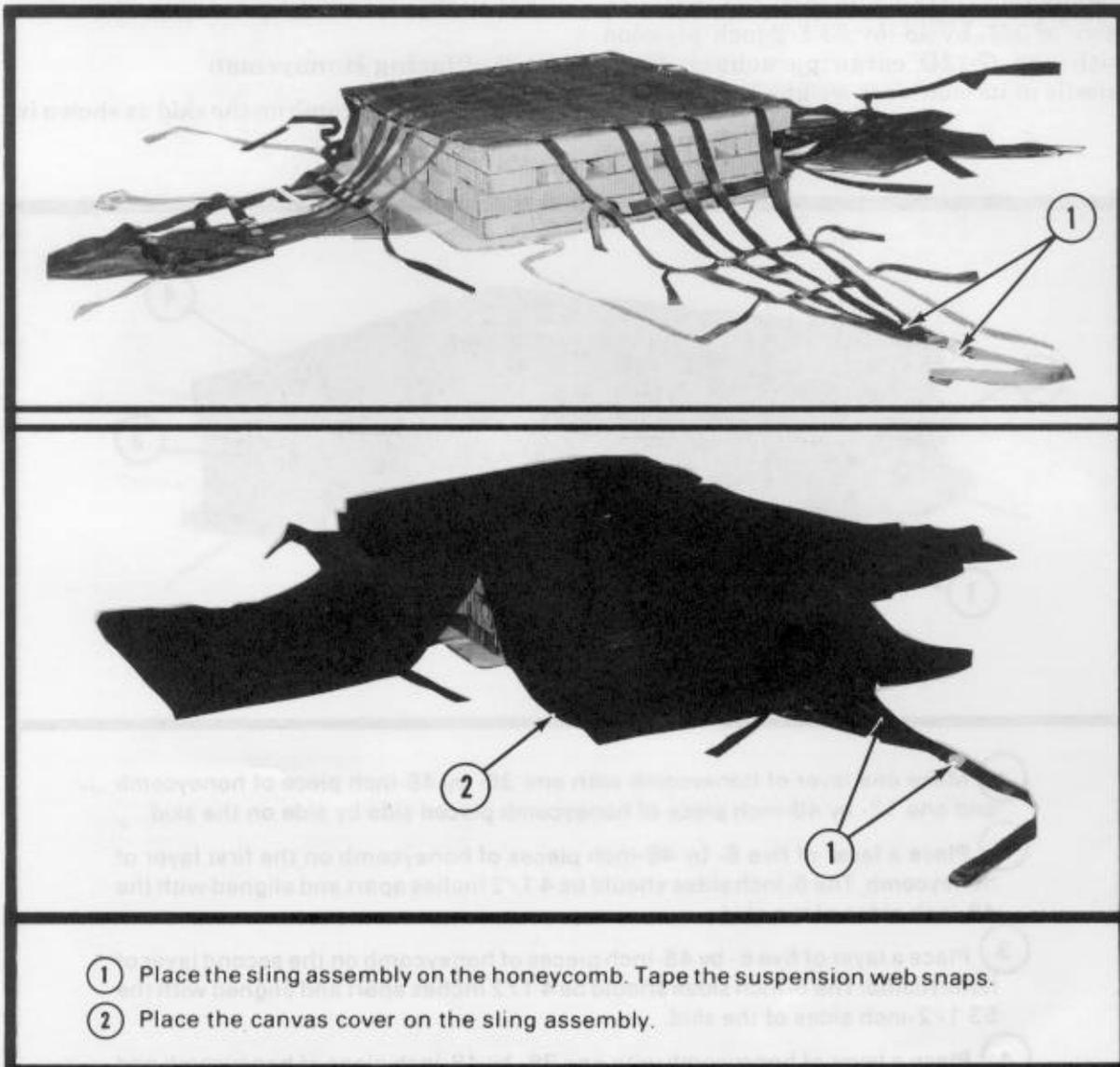


Figure 4-2. Sling assembly and A-22 cargo bag placed on skid.

4-5. Placing Tiedown Straps and Missiles

Form two 30-foot tiedown straps, using four 15-foot tiedown straps according to procedures given in FM 10-500/TO 13C7-1-5. Tape

the D-rings to prevent metal-to-metal contact. Place the 30-foot tiedown straps on top of the canvas cover as shown in figure 4-3. Place the nine encased missiles and three layers of 36-by 48-inch honeycomb as shown in figure 4-3.

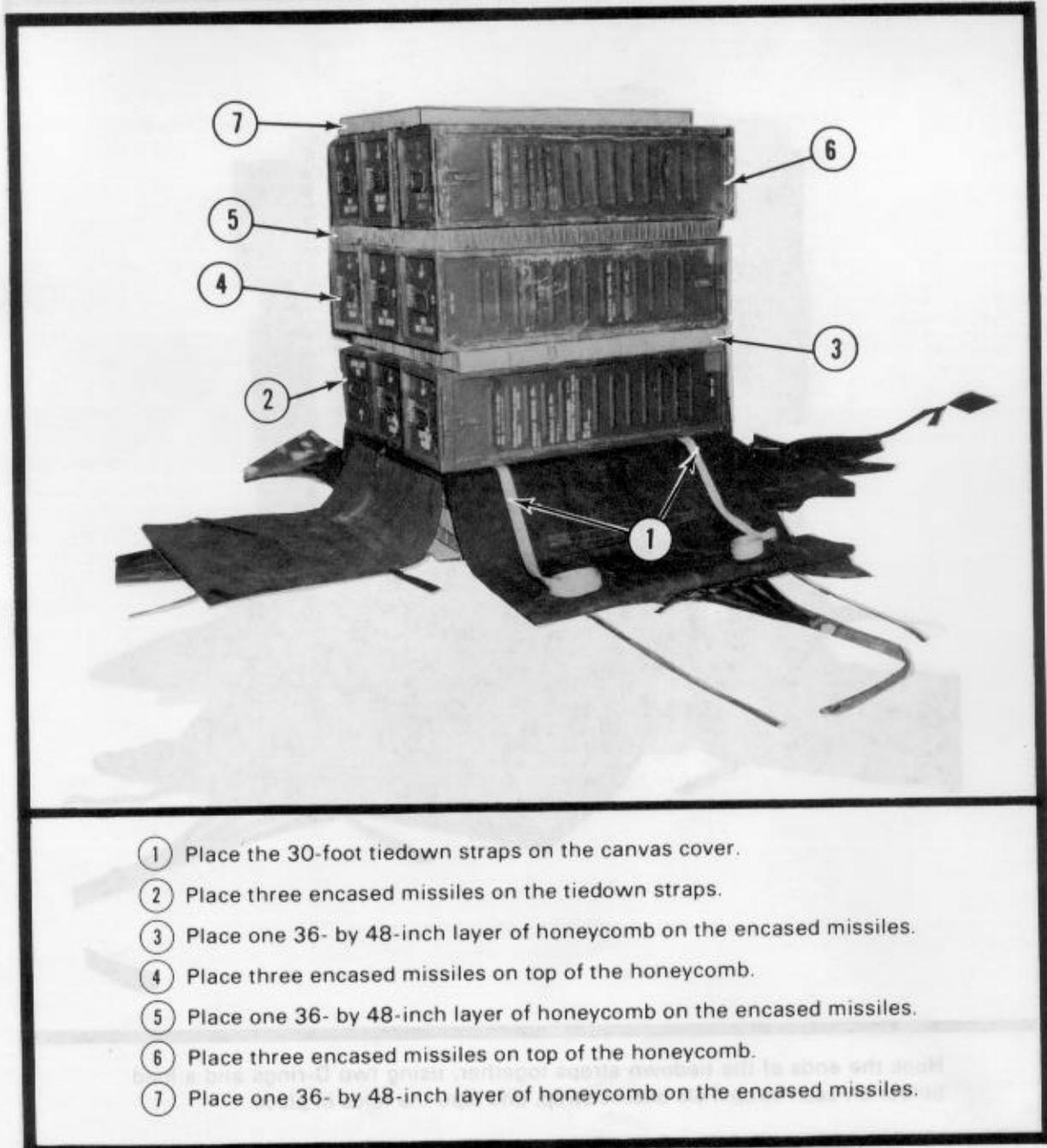


Figure 4-3. Tiedown straps and encased missiles placed.

4-6. Binding Missiles

Bind the missiles together with the pre-positioned 30-foot tiedown straps as shown in figure 4-4.

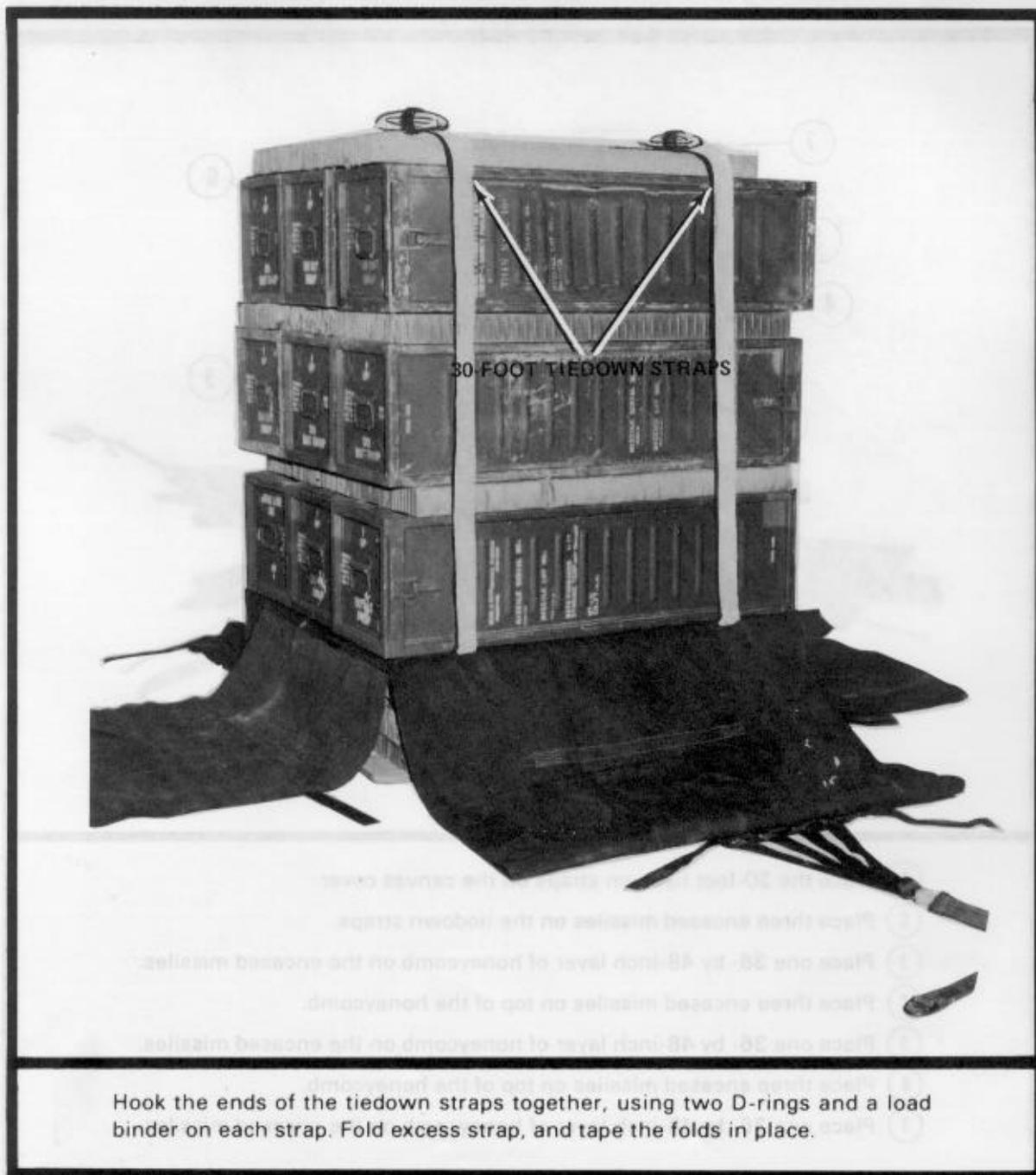


Figure 4-4. Encased missiles bound together.

4-7. Closing Cargo Bags and Attaching Suspension Slings

Close the A-22 cargo bag, attach the suspension webs, and tie the skid according to procedures given in FM 10-501/TO 13C7-1-11 and as shown in figure 4-5.

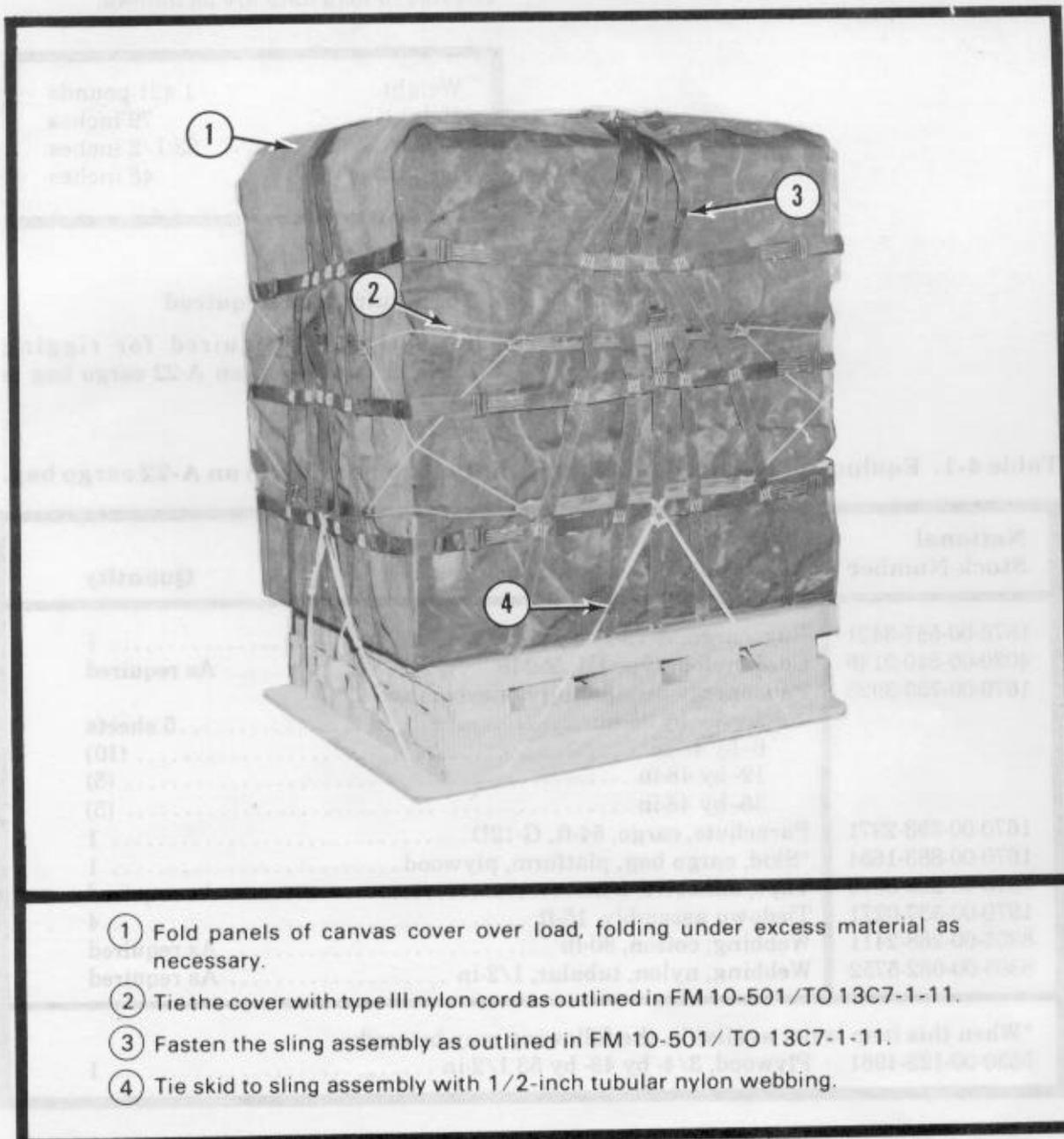


Figure 4-5. Cargo bag closed and skid tied to sling assembly.

4-8. Stowing Cargo Parachute

Place and attach one G-12D cargo parachute with pilot parachute to the load, according to procedures given in FM 10-501/TO 13C7-1-11.

4-9. Rigged Load Data

The rigged load data are as follows:

Weight	1,421 pounds
Height	79 inches
Width	53 1/2 inches
Length	48 inches

4-10. Equipment Required

The equipment required for rigging Shillelagh missiles in an A-22 cargo bag is listed in table 4-1.

Table 4-1. Equipment required for rigging Shillelagh missiles in an A-22 cargo bag.

National Stock Number	Item	Quantity
1670-00-587-3421	Bag, cargo, A-22	1
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-753-3928	Pad, energy-dissipating honeycomb, 3- by 36- by 96-in:	5 sheets
	6- by 48-in	(10)
	12- by 48-in	(5)
	36- by 48-in	(5)
1670-00-893-2371	Parachute, cargo, 64-ft, G-12D	1
1670-00-883-1654	*Skid, cargo bag, platform, plywood	1
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tiedown assembly, 15-ft	4
8305-00-268-2411	Webbing, cotton, 80-lb	As required
8305-00-082-5752	Webbing, nylon, tubular, 1/2-in	As required
*When this item is not available, the following may be used:		
5530-00-128-4981	Plywood, 3/4- by 48- by 53 1/2-in	1