

SECTION III - RIGGING 12 MISSILE OVERPACKS IN AN A-22 CARGO BAG FOR HIGH-VELOCITY AIRDROP

DESCRIPTION OF LOAD

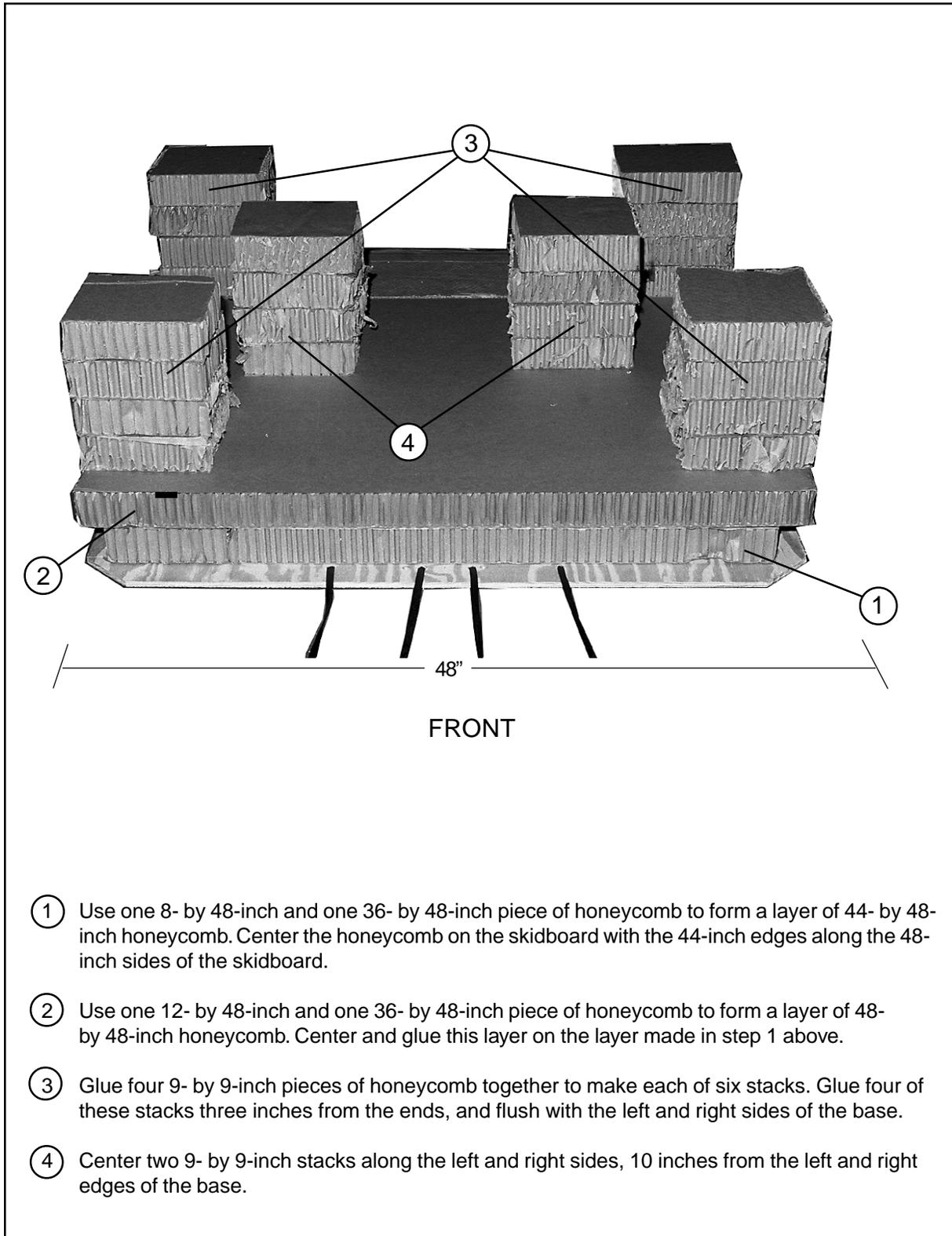
2-11. This load consists of 12 TOW missiles in overpacks. The 12 missiles are rigged in a standard A-22 cargo bag. The load requires one 26-foot, high-velocity cargo parachute.

RIGGING A-22 CARGO BAG

- 2-12. Rig the A-22 cargo bag as described below.
- a. Prepare the skid and honeycomb as shown in Figure 2-13.
 - b. Position and secure the missiles as shown in Figure 2-14.
 - c. Finish rigging the A-22 cargo bag as shown in Figure 2-15 and according to FM 10-500-3/TO 13C7-1-11.

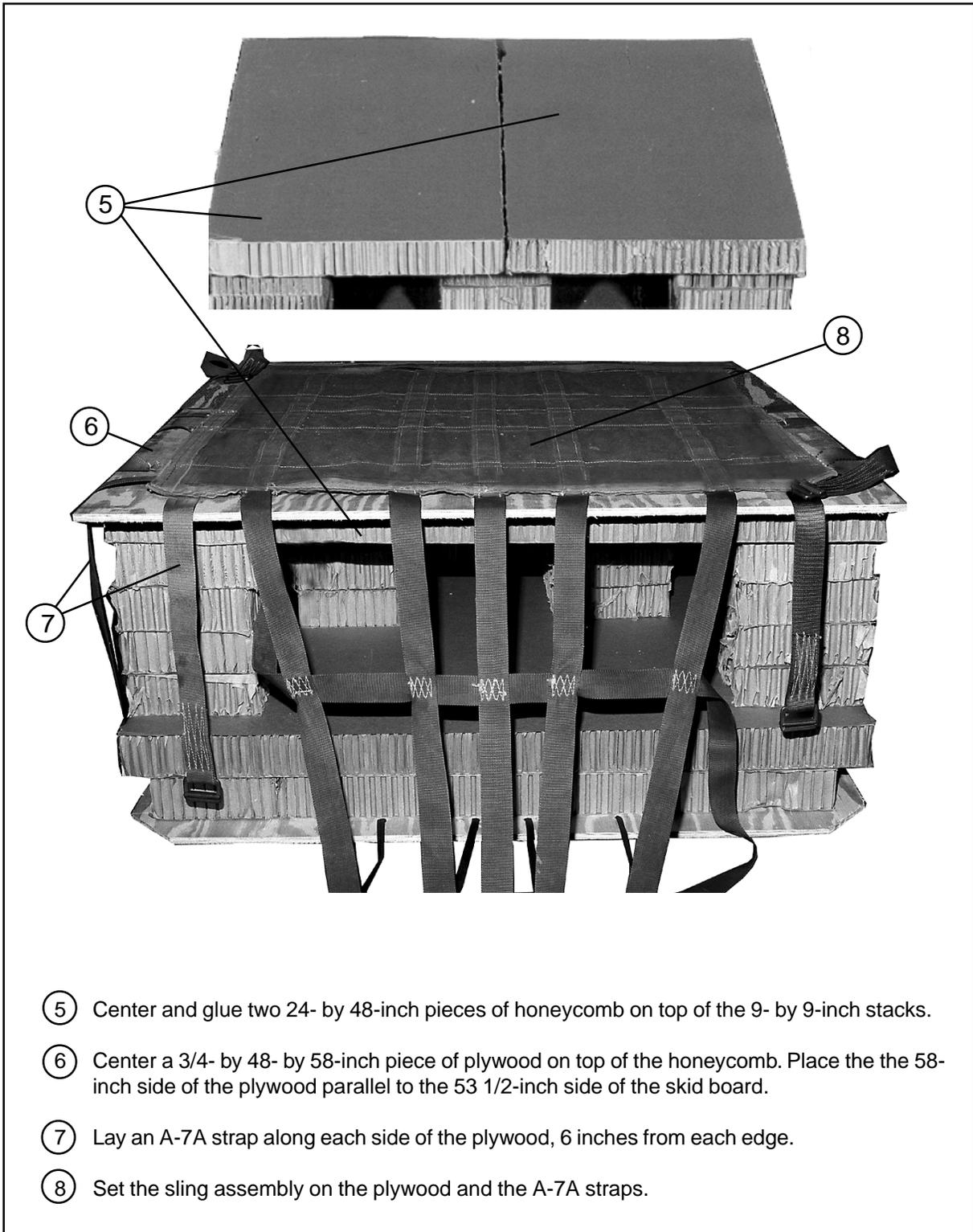
ATTACHING CARGO PARACHUTE

2-13. Prepare and attach one 26-foot, high-velocity cargo parachute as shown in Figure 2-16, and according to FM 10-500-3/TO 13C7-1-11.



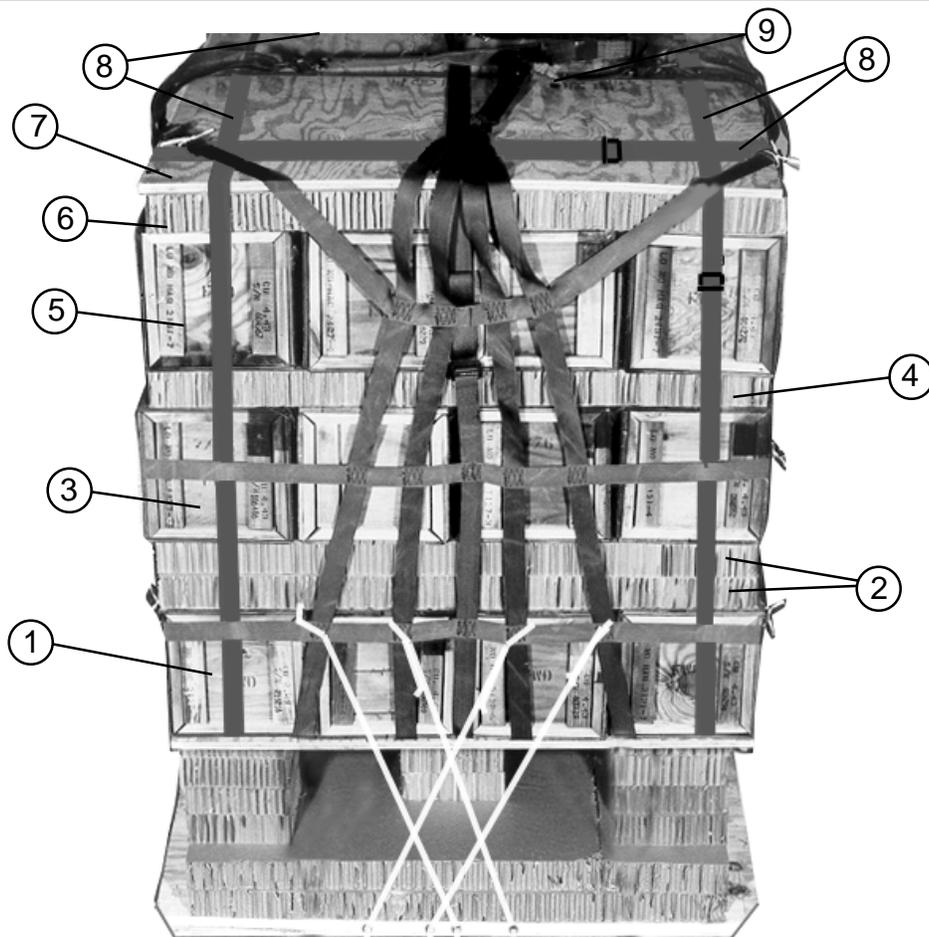
- ① Use one 8- by 48-inch and one 36- by 48-inch piece of honeycomb to form a layer of 44- by 48-inch honeycomb. Center the honeycomb on the skidboard with the 44-inch edges along the 48-inch sides of the skidboard.
- ② Use one 12- by 48-inch and one 36- by 48-inch piece of honeycomb to form a layer of 48- by 48-inch honeycomb. Center and glue this layer on the layer made in step 1 above.
- ③ Glue four 9- by 9-inch pieces of honeycomb together to make each of six stacks. Glue four of these stacks three inches from the ends, and flush with the left and right sides of the base.
- ④ Center two 9- by 9-inch stacks along the left and right sides, 10 inches from the left and right edges of the base.

Figure 2-13. Skid and Honeycomb Prepared



- ⑤ Center and glue two 24- by 48-inch pieces of honeycomb on top of the 9- by 9-inch stacks.
- ⑥ Center a 3/4- by 48- by 58-inch piece of plywood on top of the honeycomb. Place the the 58-inch side of the plywood parallel to the 53 1/2-inch side of the skid board.
- ⑦ Lay an A-7A strap along each side of the plywood, 6 inches from each edge.
- ⑧ Set the sling assembly on the plywood and the A-7A straps.

Figure 2-14. Skid and Honeycomb Prepared (Continued)



- ① Place four missiles on the scuff pad.
- ② Place two layers of honeycomb on the missiles. Use a 36- by 48-inch and a 22- by 48-inch piece of honeycomb to form each layer.
- ③ Place four missiles on the layers of honeycomb.
- ④ Place one 48- by 58-inch layer of honeycomb on the missiles.
- ⑤ Place four missiles on the layer of honeycomb.
- ⑥ Place one 48- by 58-inch layer of honeycomb over the missiles.
- ⑦ Place a 48- by 58-inch piece of plywood on top of the load.
- ⑧ Secure the four A-7A straps from under the scuff pad on top of the load.
- ⑨ Close the A-22 cargo bag according to FM 10-500-3/TO 13C7-1-11.

Figure 2-15. Missiles Positioned and Secured

MARKING THE RIGGED LOAD

2-14. Mark the rigged load as described in Chapter 1, FM 10-500-3/TO 13C7-1-11, using the data given in Figure 2-16. Complete the Shipper's Declaration for Dangerous Goods.

CAUTION
 Make the final inspection required by Chapter 1, FM 10-500-3/TO 13C7-1-11 before the load leaves the rigging site.



RIGGED LOAD DATA

Weight.....	1,359 pounds
Width.....	48 inches
Height.....	83 inches
Length.....	58 inches

Figure 2-16. Twelve TOW Missiles Rigged in an A-22 Cargo Bag for High-Velocity Airdrop

EQUIPMENT REQUIRED

2-15. The equipment required to rig this load is listed in Table 2-3.

Table 2-3. Equipment required to Rig Twelve TOW Missiles in Overpacks in an A-22 Cargo Bag for High-Velocity Airdrop

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal	As required
1670-00-587-3421	Bag, cargo, aerial delivery, A-22	1
1670-00-753-3928	Pad, energy-dissipating, honeycomb	5 sheets
1670-00-872-6109	Parachute, cargo, high-velocity, 26-ft	1
5530-00-914-5118	Plywood, 1-by 48- by 53 1/2-in	1
5530-00-128-4981	Plywood, 3/4-by 48- by 58-in	2
1670-00-251-1153	Strap, A-7A	4
7510-00-266-5016	Tape, adhesive, 2-in	As required
8310-00-917-3945	Thread, cotton, ticket number 8/7 (ticket nr 5)	As required
8305-00-268-2411	Webbing, type I, cotton, 1/4-in	As required
8305-00-082-5752	Webbing, nylon, tubular, 1/2-in	As required