

CHAPTER 7

RIGGING GROUND MOBILITY VEHICLE ON A 16-FOOT PLATFORM FOR LOW-VELOCITY AIRDROP

DESCRIPTION OF LOAD

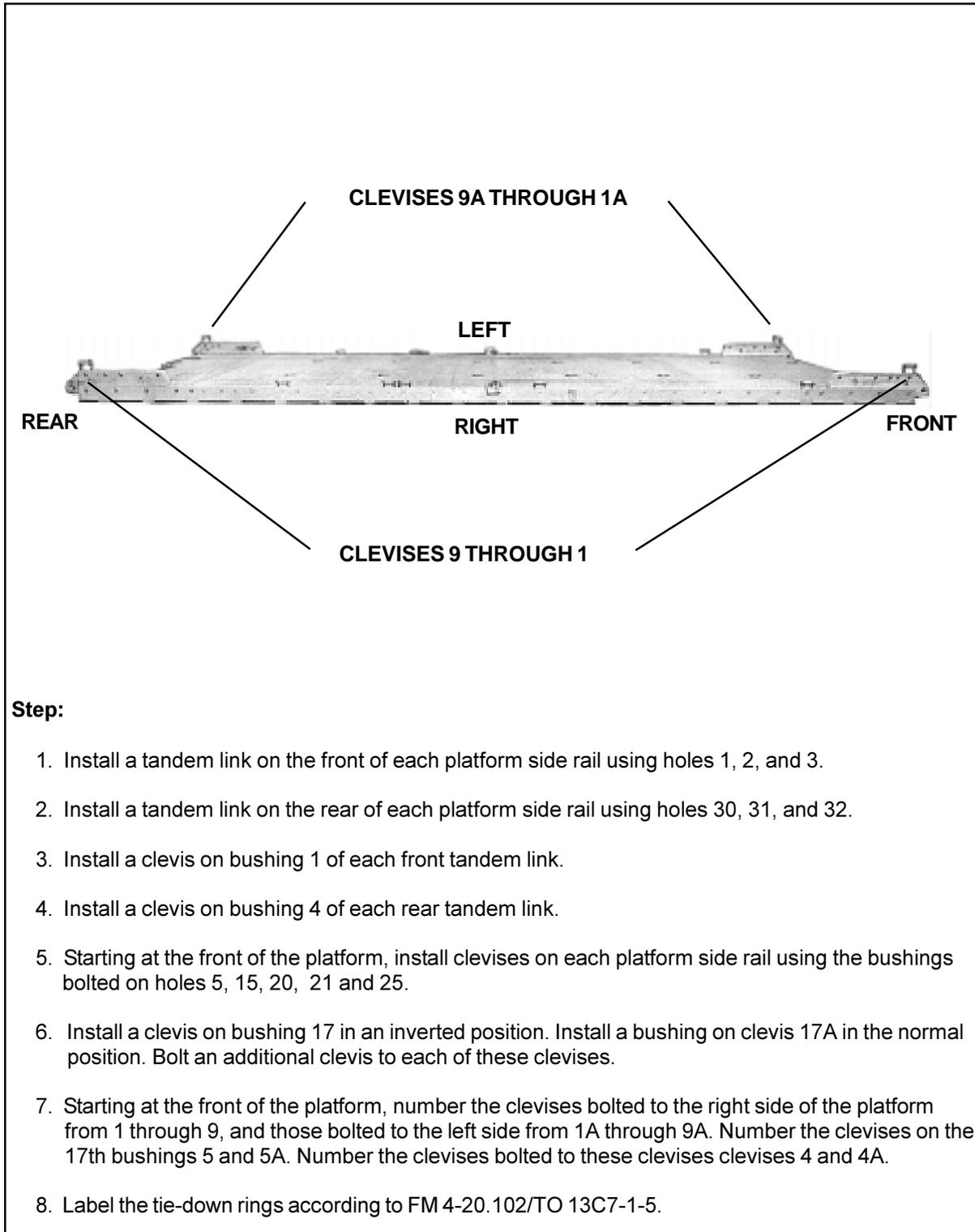
7-1. The Ground Mobility Vehicle is a modified M1025 HMMWV-series truck. It has a winch, a rigid roof, and a turret to support weapons. It is rigged the same as the M998 truck except as noted. The truck is rigged on a 16-foot, type V airdrop platform for low-velocity airdrop. The truck is configured to carry a special operations load. The accompanying load shown weighs 2,140 pounds. The load shown requires three G-11 cargo parachutes.

PREPARING PLATFORM

7-2. Prepare a 16-foot, type V airdrop platform according to TM 10-1670-268-20&P/TO 13C7-52-22. Install four tandem links and 18 load tie-down clevises according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 7-1.

NOTES:

1. The nose bumper may or may not be installed.
2. Measurements given in the instructions for this load are from the front edge of the platform, NOT from the front edge of the nose bumper.



Step:

1. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
2. Install a tandem link on the rear of each platform side rail using holes 30, 31, and 32.
3. Install a clevis on bushing 1 of each front tandem link.
4. Install a clevis on bushing 4 of each rear tandem link.
5. Starting at the front of the platform, install clevises on each platform side rail using the bushings bolted on holes 5, 15, 20, 21 and 25.
6. Install a clevis on bushing 17 in an inverted position. Install a bushing on clevis 17A in the normal position. Bolt an additional clevis to each of these clevises.
7. Starting at the front of the platform, number the clevises bolted to the right side of the platform from 1 through 9, and those bolted to the left side from 1A through 9A. Number the clevises on the 17th bushings 5 and 5A. Number the clevises bolted to these clevises clevises 4 and 4A.
8. Label the tie-down rings according to FM 4-20.102/TO 13C7-1-5.

Figure 7-1. Platform Prepared

PREPARING AND POSITIONING HONEYCOMB STACKS

7-3. Prepare three honeycomb stacks as shown in Figures 2-3 and 2-4. Position the stacks on the platform as shown in Figure 2-5, and according to FM 4-20.102/TO 13C7-1-5.

PREPARING TRUCK AND STOWING LOAD

7-4. Prepare the truck as described in paragraphs 2-4a through d, g, and h, and as shown in Figures 2-6 and 2-7, 2-8 (omit step 1), 2-11, and 2-12. Use the procedures in Figures 7-2 through 7-9 to rig the specialized load and to further prepare the truck.

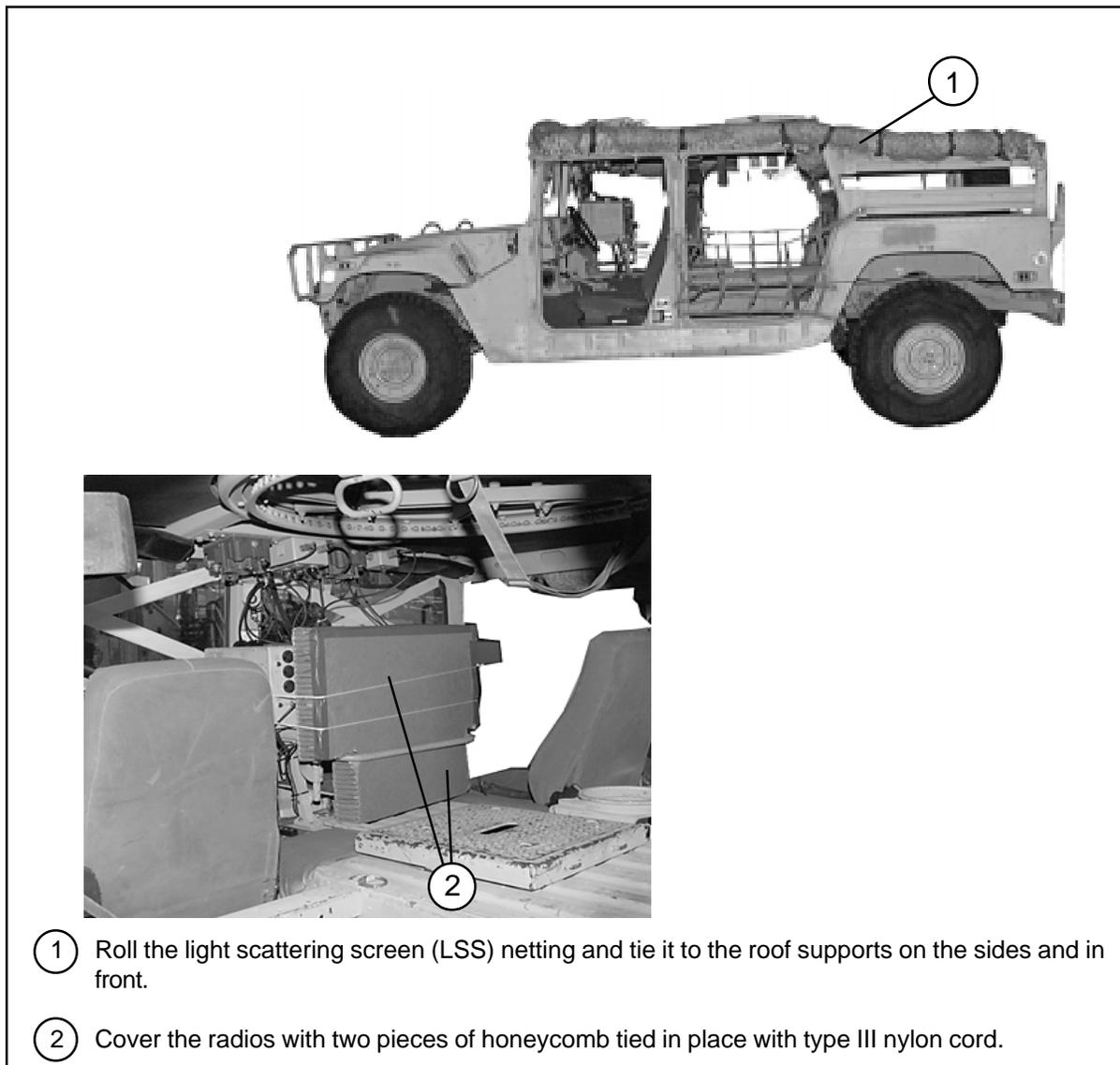
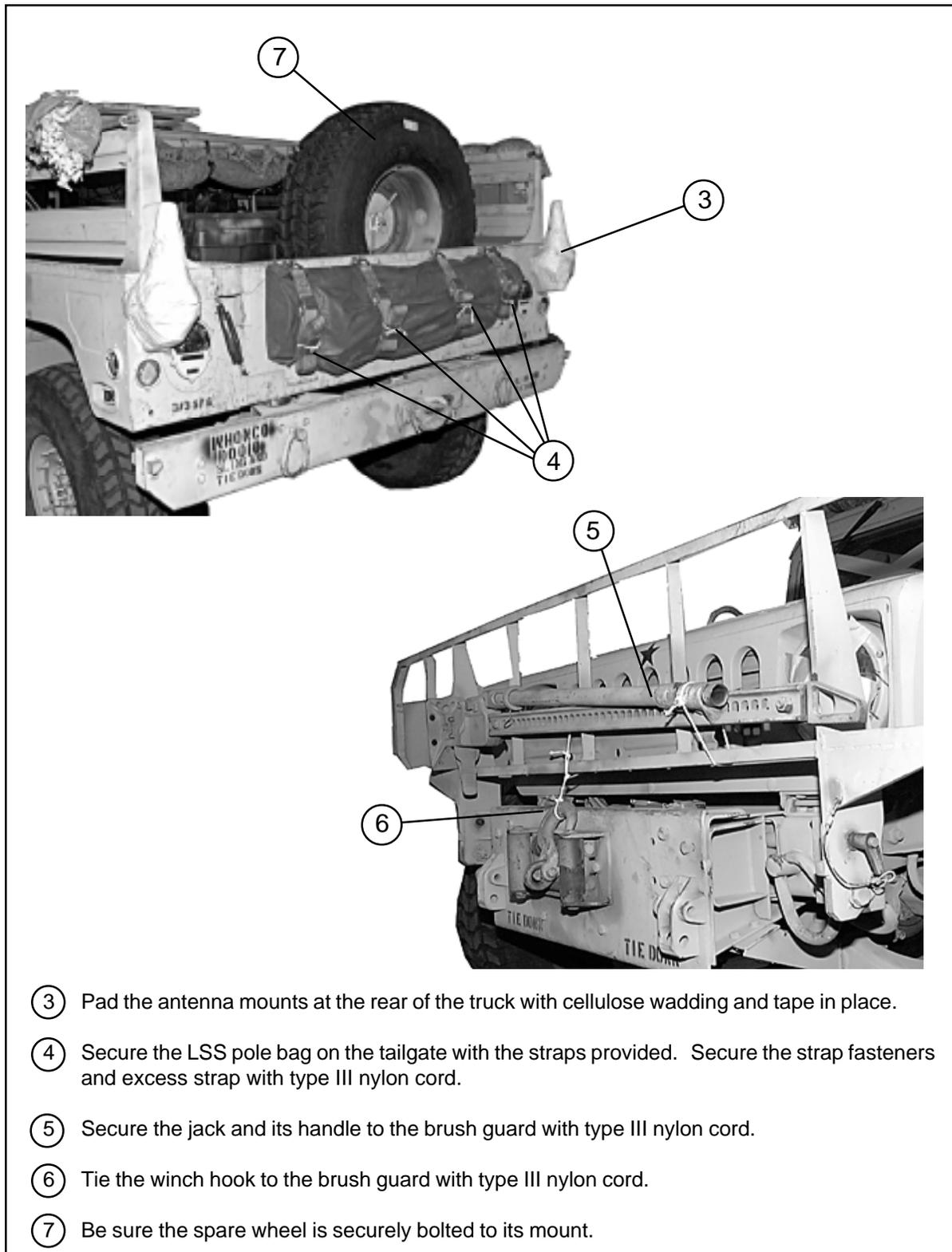


Figure 7-2. Truck Prepared



- ③ Pad the antenna mounts at the rear of the truck with cellulose wadding and tape in place.
- ④ Secure the LSS pole bag on the tailgate with the straps provided. Secure the strap fasteners and excess strap with type III nylon cord.
- ⑤ Secure the jack and its handle to the brush guard with type III nylon cord.
- ⑥ Tie the winch hook to the brush guard with type III nylon cord.
- ⑦ Be sure the spare wheel is securely bolted to its mount.

Figure 7-2. Truck Prepared (continued)

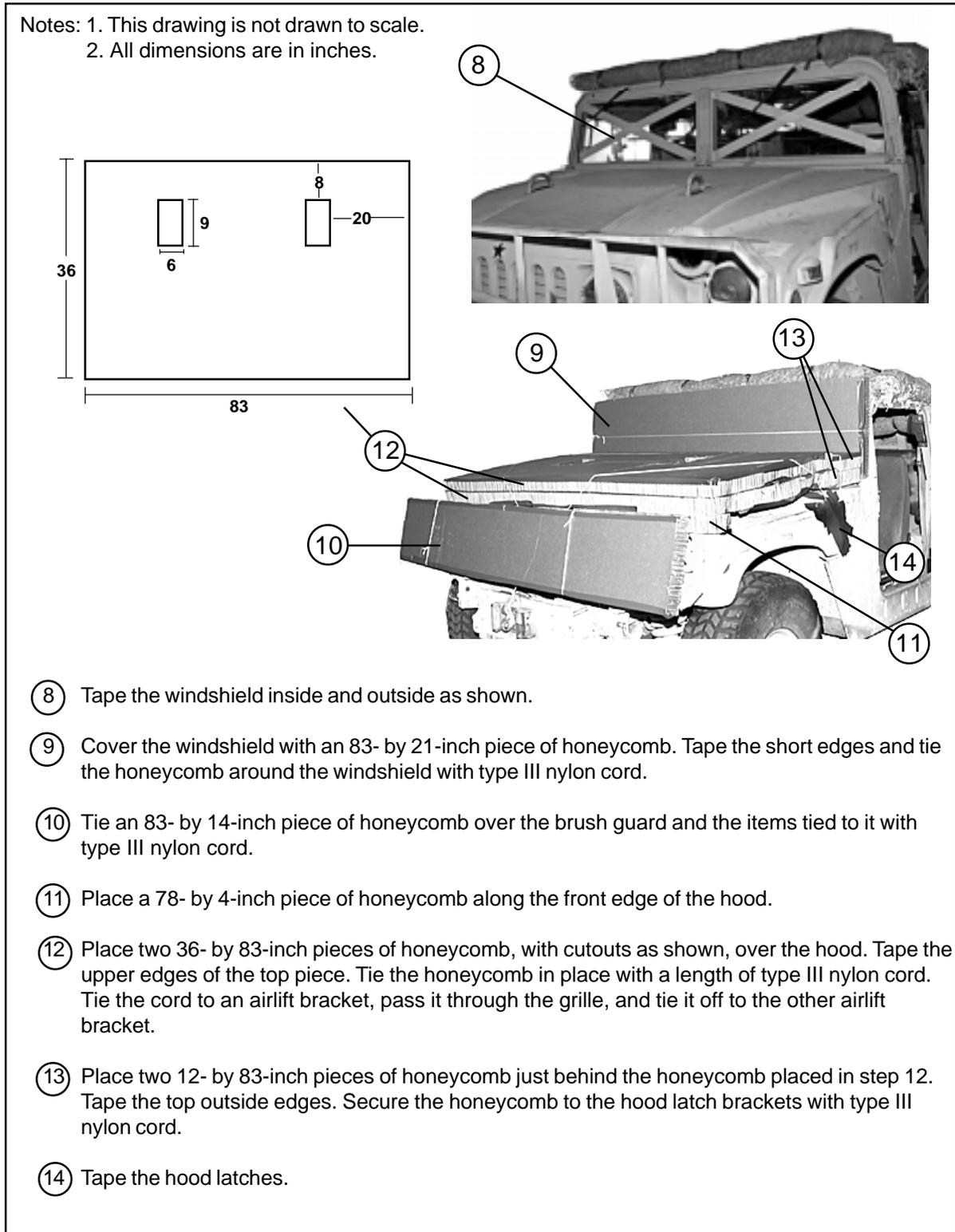
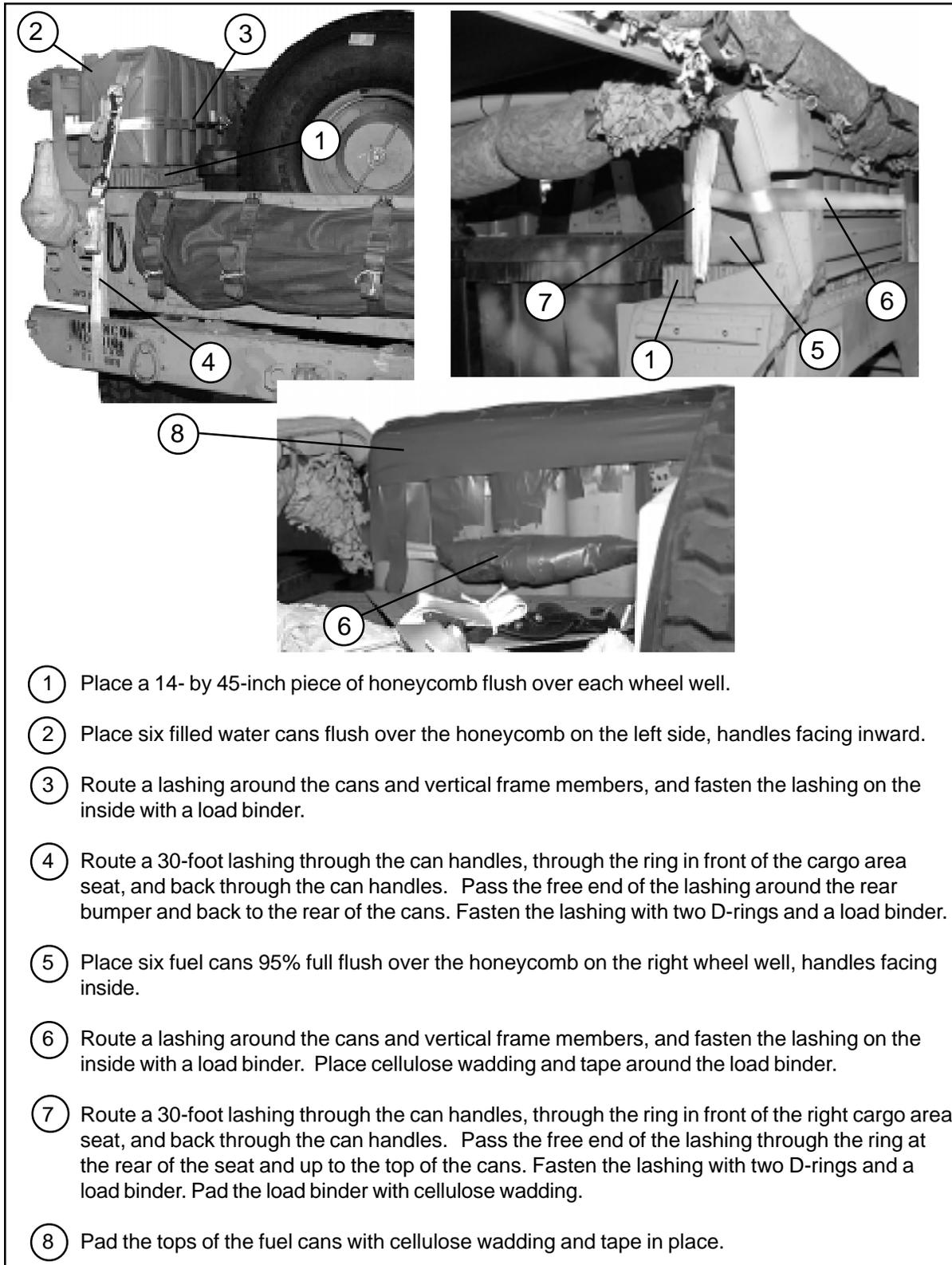


Figure 7-2. Truck Prepared (continued)



- ① Place a 14- by 45-inch piece of honeycomb flush over each wheel well.
- ② Place six filled water cans flush over the honeycomb on the left side, handles facing inward.
- ③ Route a lashing around the cans and vertical frame members, and fasten the lashing on the inside with a load binder.
- ④ Route a 30-foot lashing through the can handles, through the ring in front of the cargo area seat, and back through the can handles. Pass the free end of the lashing around the rear bumper and back to the rear of the cans. Fasten the lashing with two D-rings and a load binder.
- ⑤ Place six fuel cans 95% full flush over the honeycomb on the right wheel well, handles facing inside.
- ⑥ Route a lashing around the cans and vertical frame members, and fasten the lashing on the inside with a load binder. Place cellulose wadding and tape around the load binder.
- ⑦ Route a 30-foot lashing through the can handles, through the ring in front of the right cargo area seat, and back through the can handles. Pass the free end of the lashing through the ring at the rear of the seat and up to the top of the cans. Fasten the lashing with two D-rings and a load binder. Pad the load binder with cellulose wadding.
- ⑧ Pad the tops of the fuel cans with cellulose wadding and tape in place.

Figure 7-3. Water and Fuel Cans Stowed and Secured

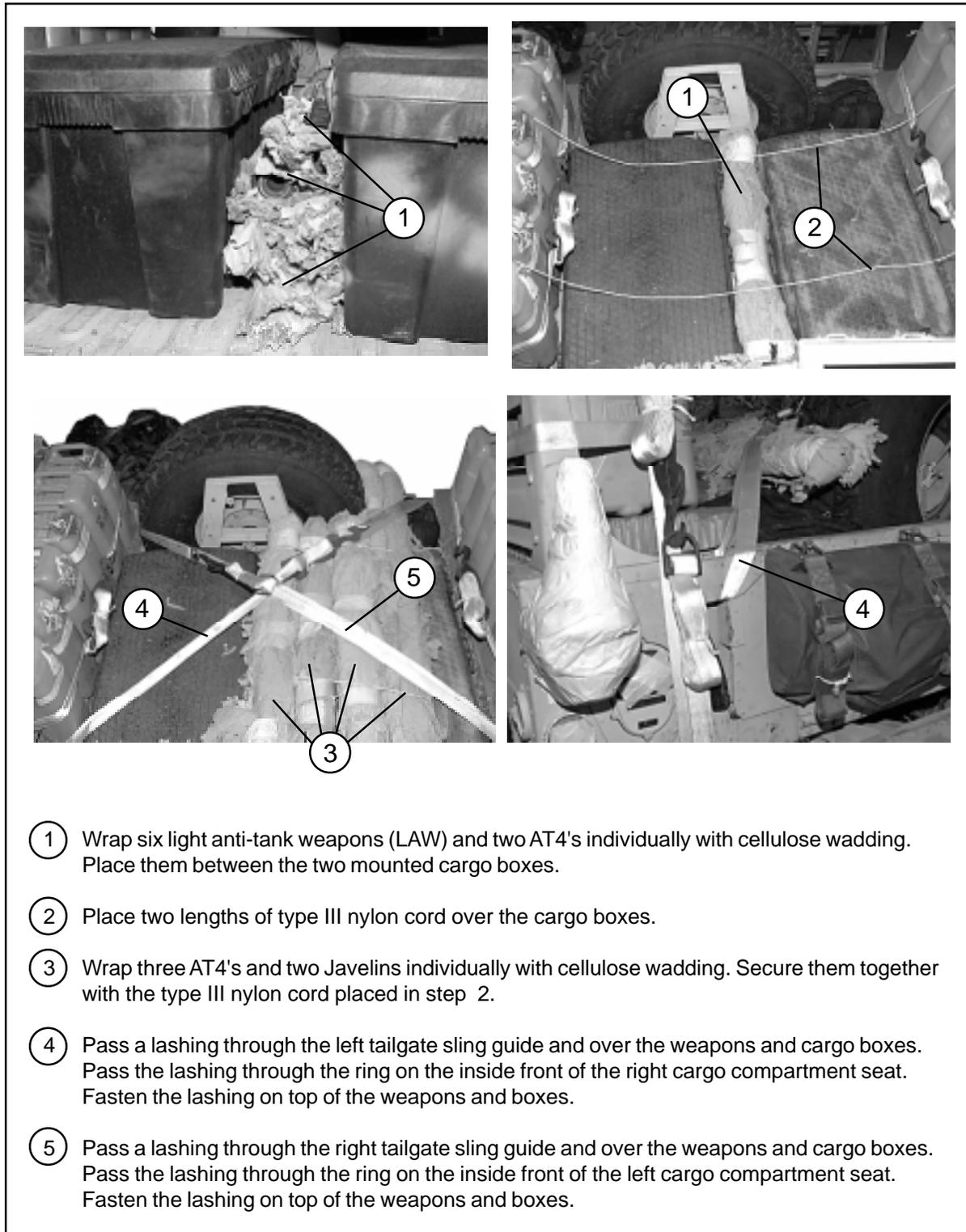


Figure 7-4. Stowing Weapons Between and Over Cargo Boxes

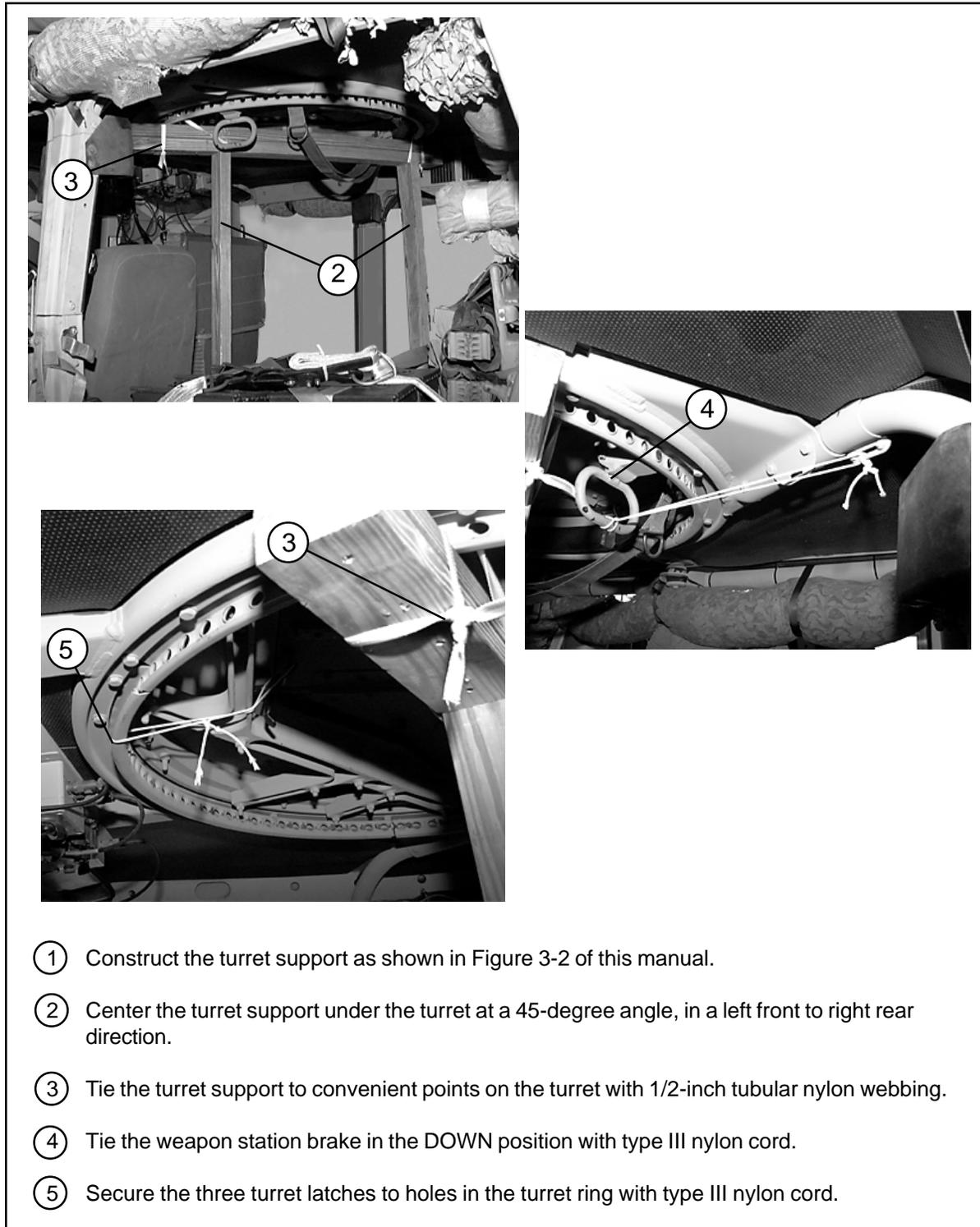


Figure 7-5. Turret Support Placed and Secured

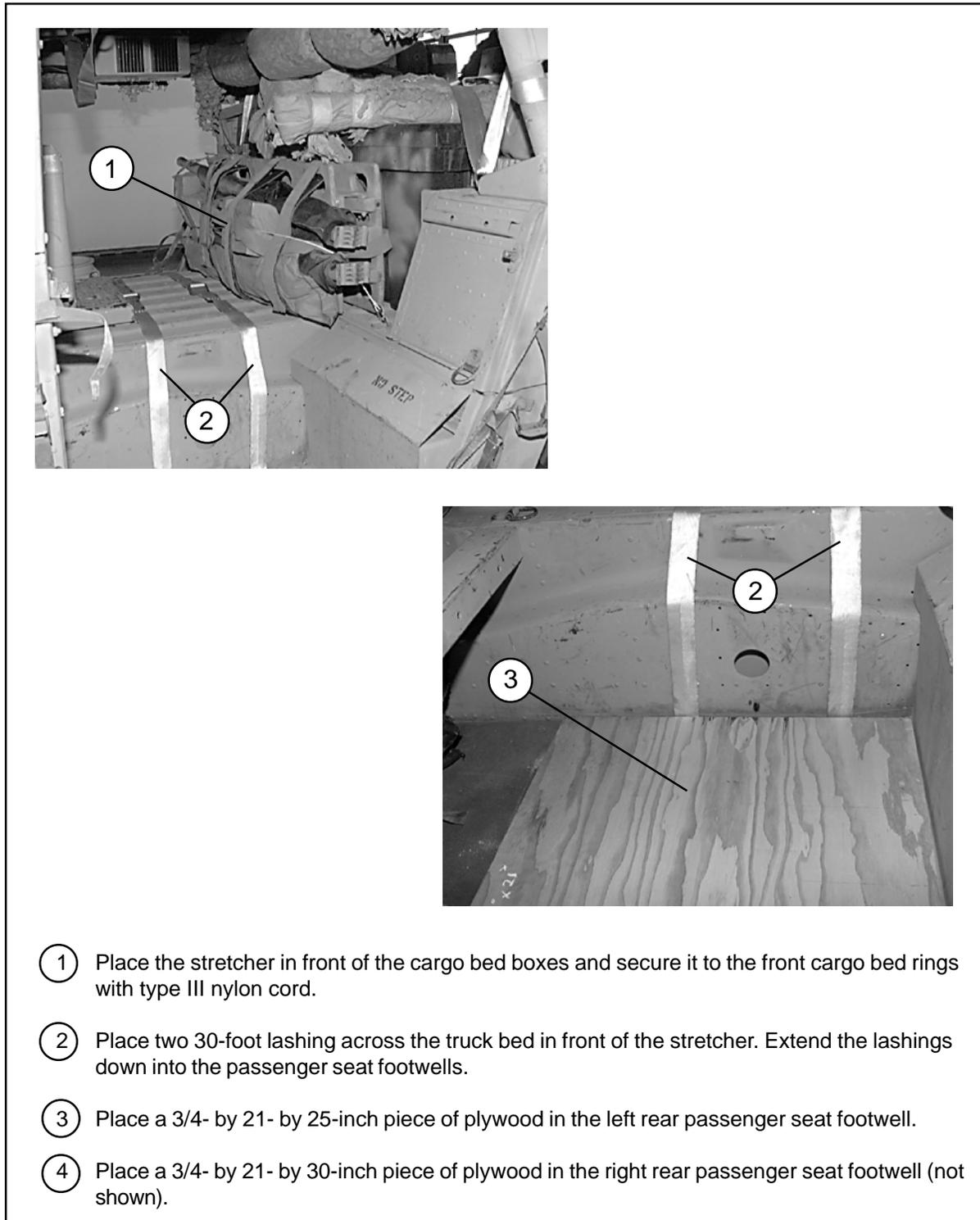
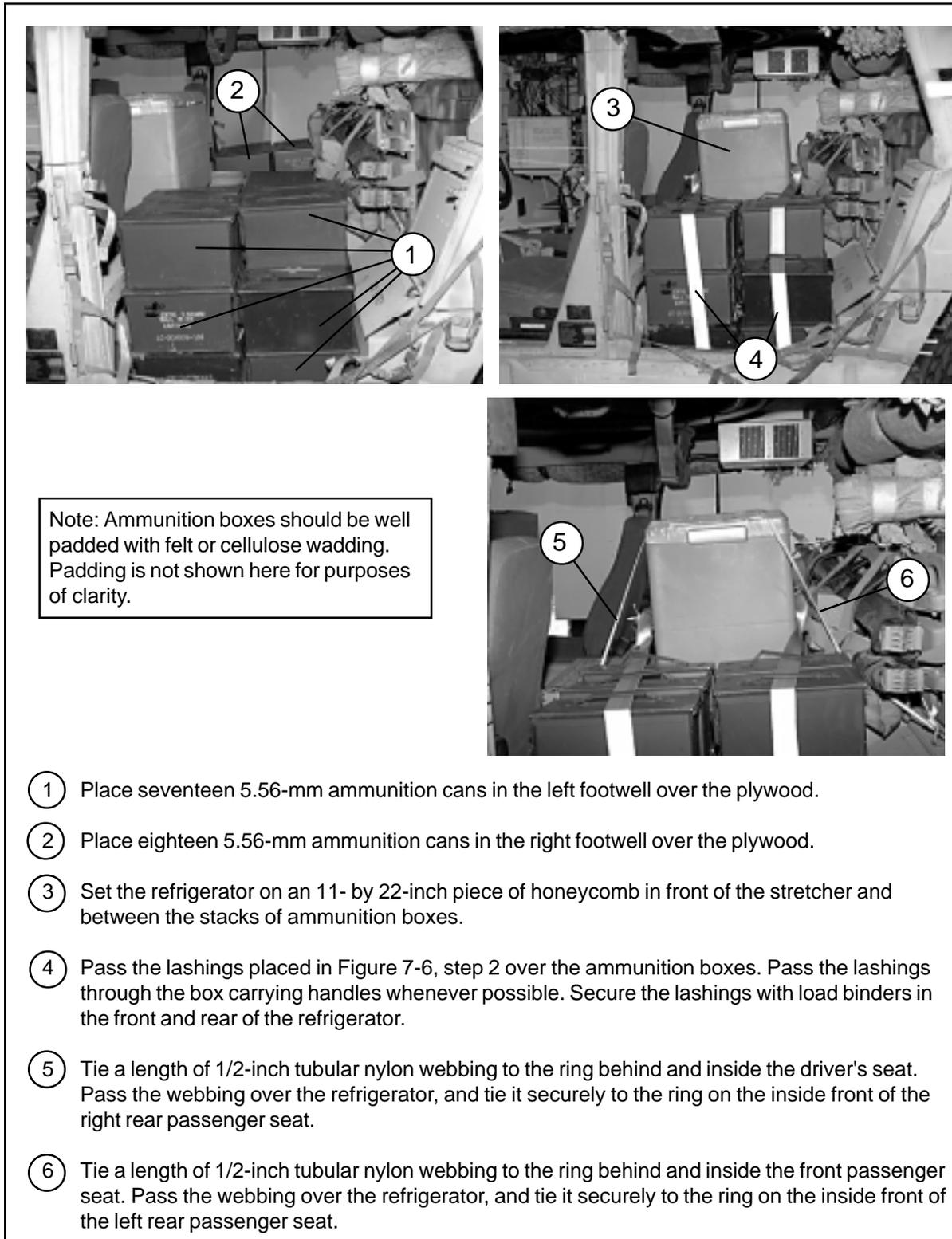
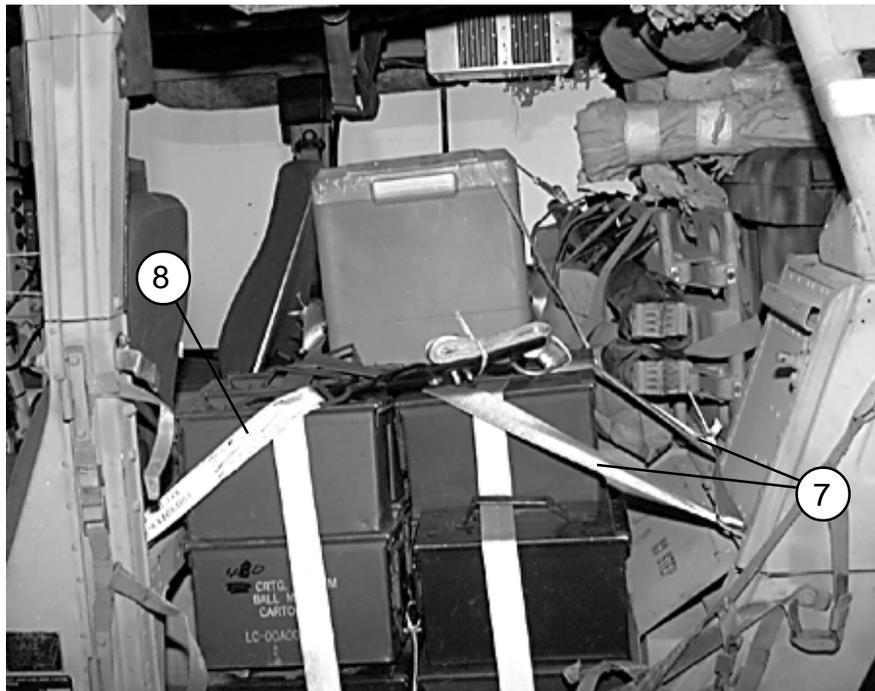


Figure 7-6. Ammunition and Refrigerator Area Prepared



- ① Place seventeen 5.56-mm ammunition cans in the left footwell over the plywood.
- ② Place eighteen 5.56-mm ammunition cans in the right footwell over the plywood.
- ③ Set the refrigerator on an 11- by 22-inch piece of honeycomb in front of the stretcher and between the stacks of ammunition boxes.
- ④ Pass the lashings placed in Figure 7-6, step 2 over the ammunition boxes. Pass the lashings through the box carrying handles whenever possible. Secure the lashings with load binders in the front and rear of the refrigerator.
- ⑤ Tie a length of 1/2-inch tubular nylon webbing to the ring behind and inside the driver's seat. Pass the webbing over the refrigerator, and tie it securely to the ring on the inside front of the right rear passenger seat.
- ⑥ Tie a length of 1/2-inch tubular nylon webbing to the ring behind and inside the front passenger seat. Pass the webbing over the refrigerator, and tie it securely to the ring on the inside front of the left rear passenger seat.

Figure 7-7. Ammunition and Refrigerator Stowed



- ⑦ Pass a lashing through both rings behind the right passenger seat, up over the ammunition boxes, and through both rings behind the left rear passenger seat. Secure the lashing with a load binder on top of the boxes.
- ⑧ Pass a lashing through both rings behind the driver's seat, up over the ammunition boxes, and through both rings behind the right rear passenger seat. Secure the lashing with a load binder on top of the boxes.

Figure 7-7. Ammunition and Refrigerator Stowed (continued)