

CHAPTER 6

RIGGING TWO HMMWV TRUCKS ON A 32-FOOT PLATFORM FOR LOW-VELOCITY AIRDROP

DESCRIPTION OF LOAD

6-1. The unrigged M998 cargo/troop carriers (Figure 2-1) are described in Chapter 1. Two HMMWV trucks are rigged on a 32-foot type V platform for low-velocity airdrop. An accompanying load is rigged on the platform. The load requires five G-11 cargo parachutes.

The following trucks can be rigged using the procedures given in this chapter:

M998A1

M1038 and M1038A1

M1037 and M1037 modified

M1042

M1097, M1097A1, and M1097A2

PREPARING PLATFORM

6-2. Prepare a 32-foot, type V airdrop platform according to TM 10-1670-268-20&P/TO 13C7-52-22. Install two tandem links and eight suspension links to the platform as shown in Figure 6-1. Attach and number 44 clevis assemblies as shown in Figure 6-1.

- NOTES:
1. The nose bumper may or may not be installed.
 2. Measurements given in this chapter are from the front edge of the platform, NOT from the front edge of the nose bumper.

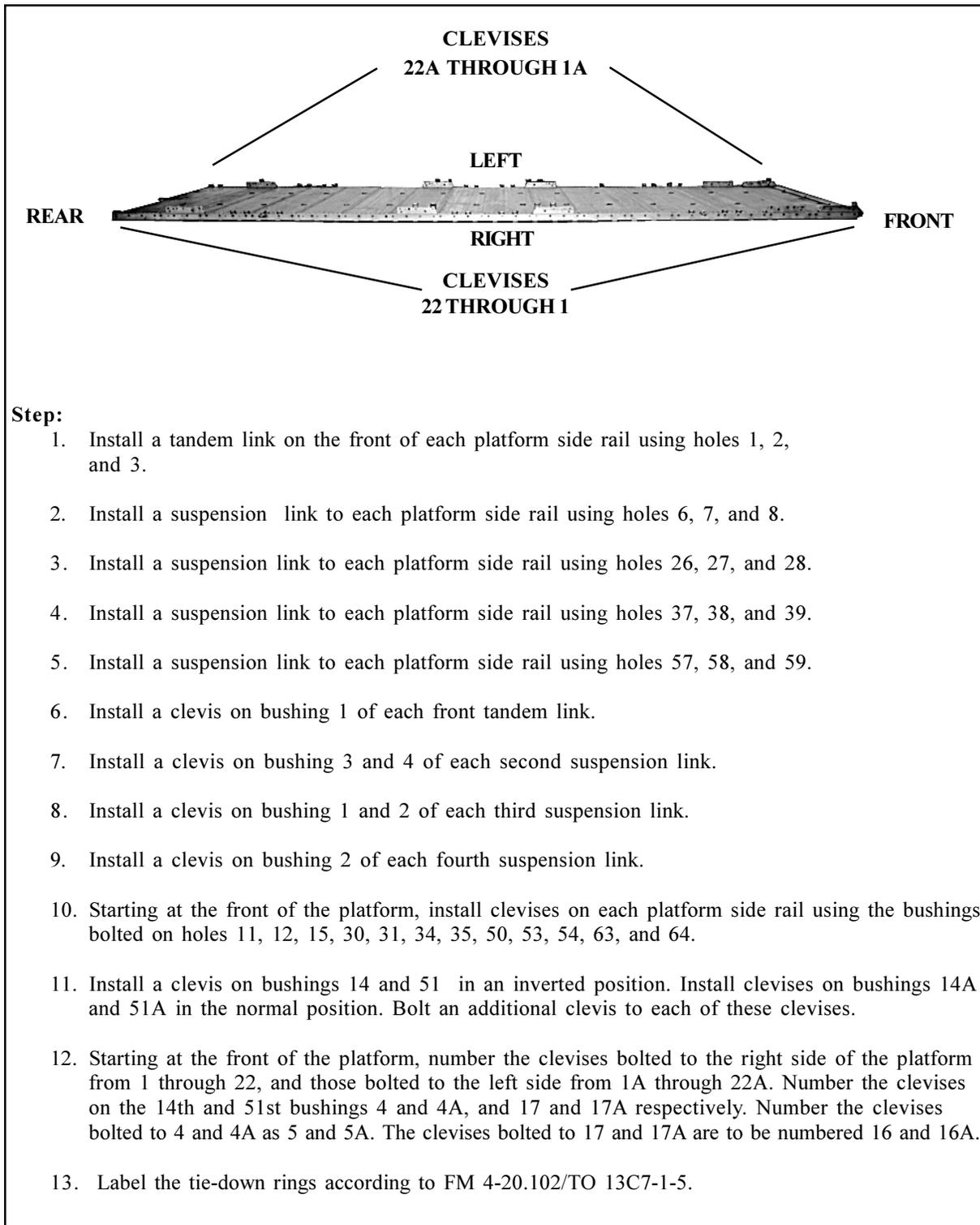


Figure 6-1. Platform Prepared

PREPARING AND POSITIONING HONEYCOMB STACKS

6.3. Prepare honeycomb stacks 1, 3, 5, and 7 as shown in Figure 2-3. Prepare honeycomb stacks 2 and 6 as shown in Figure 2-4. Position the stacks on the platform as shown in Figure 6-2.

Note: Honeycomb stack 4 consists of 2 full sheets of honeycomb stacked flush.

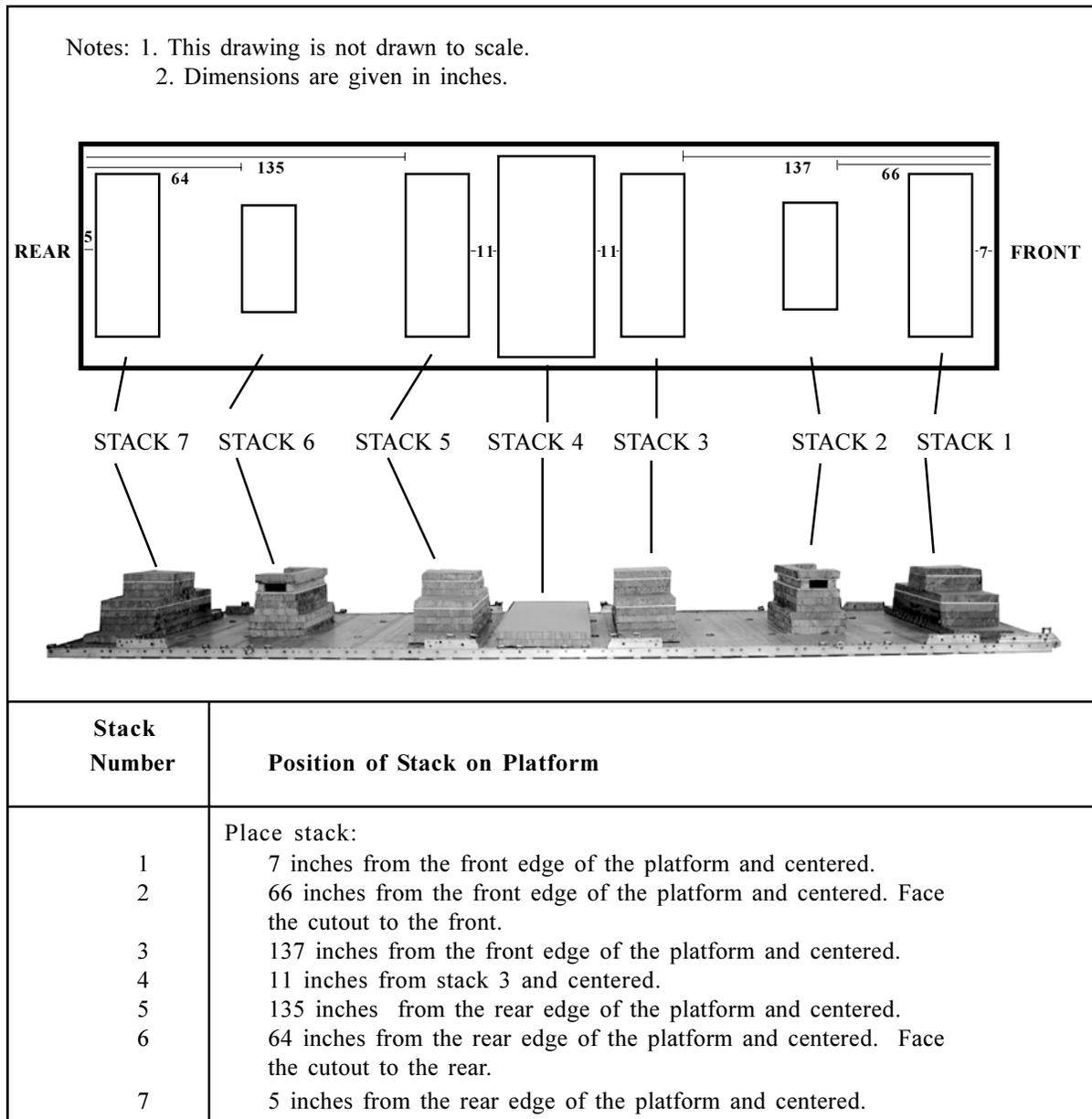


Figure 6-2. Honeycomb Stacks Positioned On Platform

PLACING AND SECURING ACCOMPANYING LOAD

6-4. Place the ammunition boxes on stack 4, place a plywood cover, lash the boxes together (step 4), and construct two endboards as shown in Figure 6-3. Lash the accompanying load and endboards to the platform as shown in Figure 6-4.

Note: Adapt these procedures to accommodate other accompanying loads.

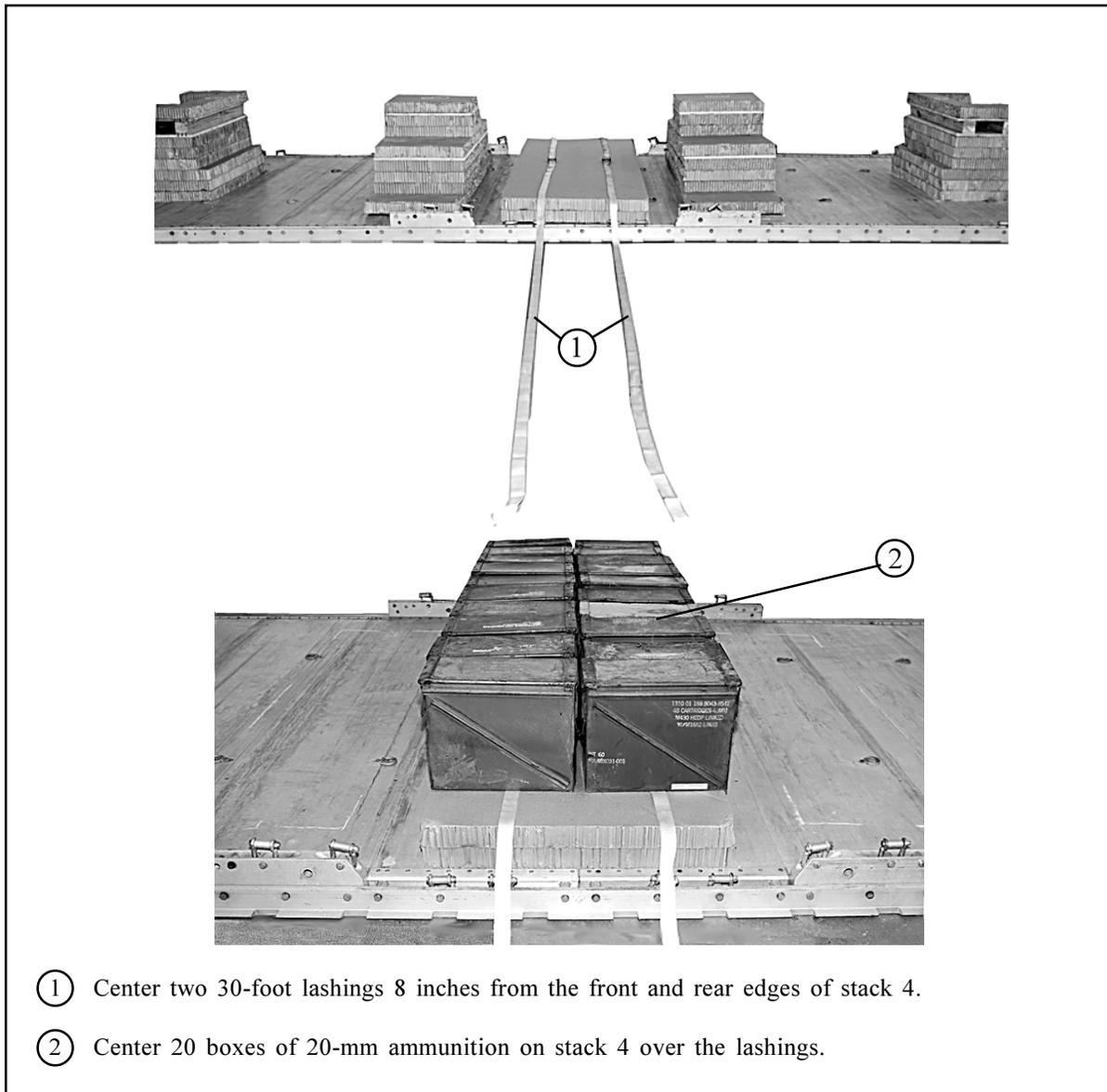
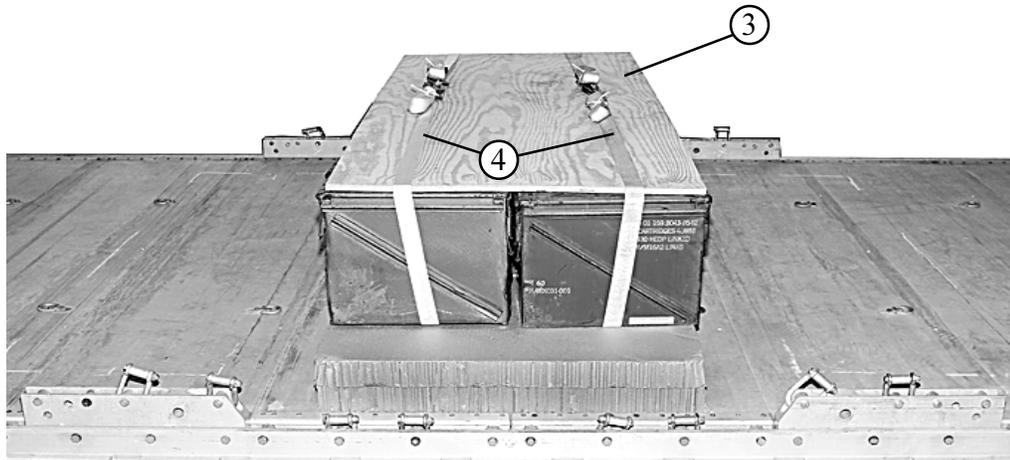
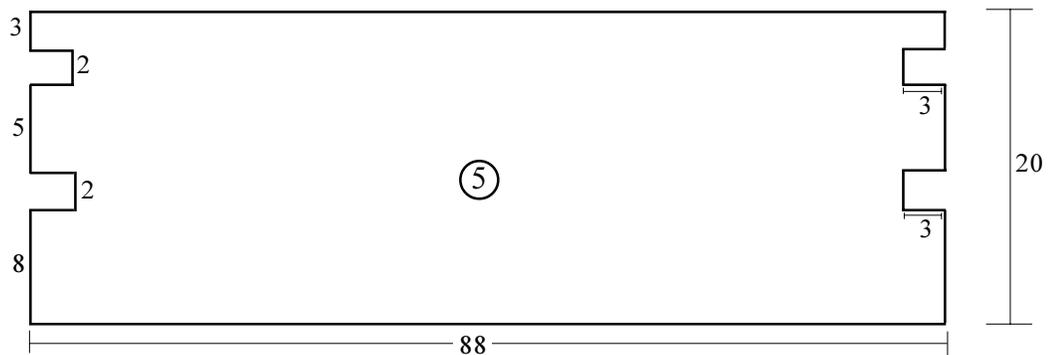


Figure 6-3. Ammunition Boxes Placed and Secured

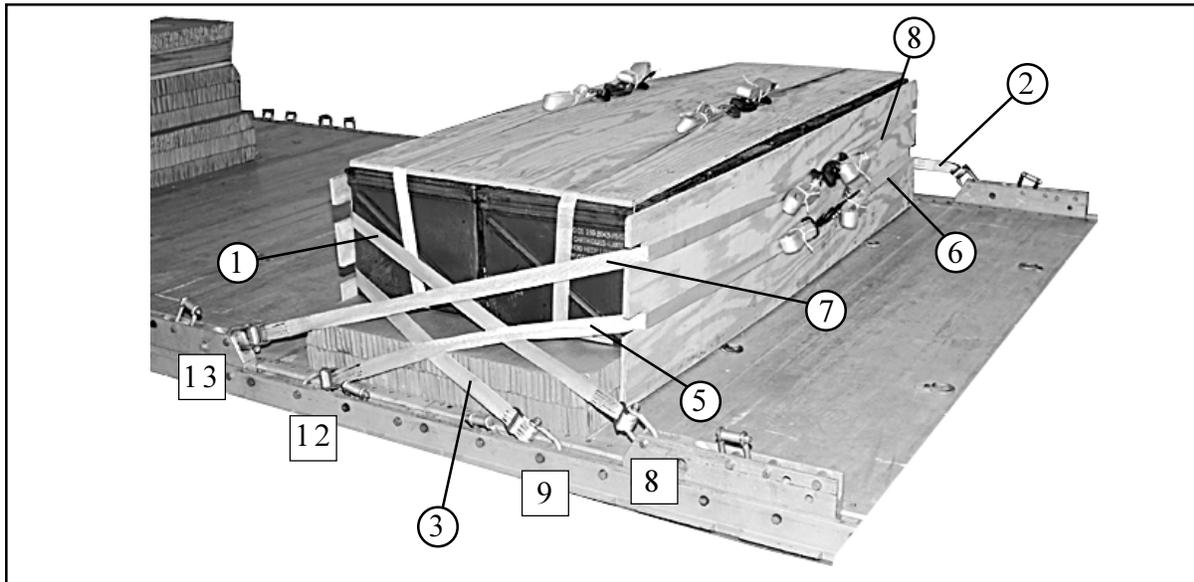


- Notes 1. This drawing is not drawn to scale
 2. All dimensions are in inches.



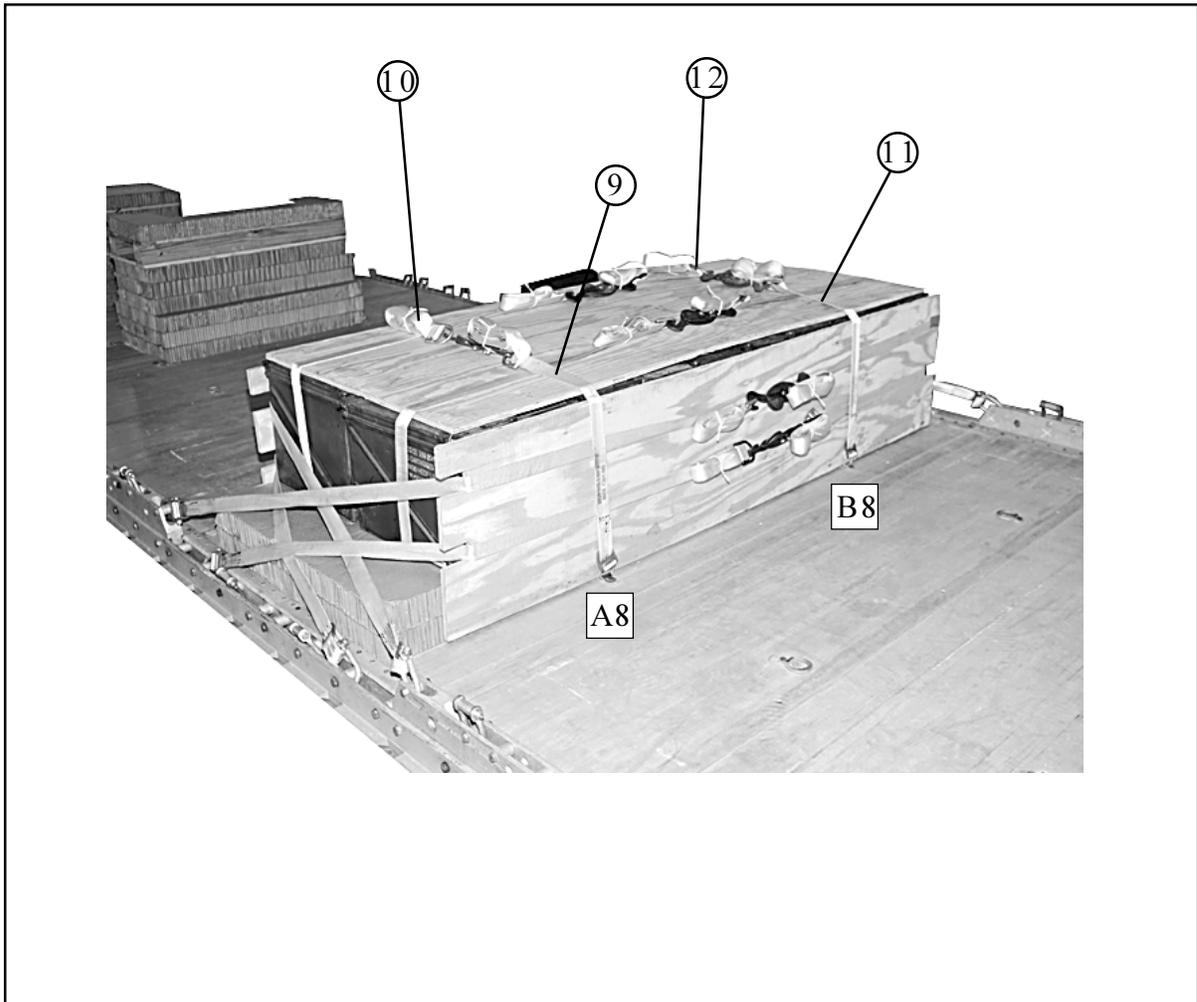
- ③ Place a 3/4- by 36-by 82-inch piece of plywood flush over the ammunition boxes.
- ④ Secure the 30-foot lashings placed in step 1 over the ammunition boxes.
- ⑤ Construct two endboards from 3/4- by 20- by 88-inch plywood. Place an endboard at each end of the stack of boxes (shown in Figure 6-4).

Figure 6-3. Ammunition Boxes Placed and Secured (continued)



Lashing Number	Tie-down Clevis Number	Instructions
1	8	Pass lashing: Through clevis 8, through its own D-ring, and through the upper slot in the rear endboard.
2	8A	Through clevis 8A, through its own D-ring, and through the upper slot in the rear endboard. Secure lashings 1 and 2 together at the rear with two D-rings and a load binder.
3	9	Through clevis 9, through its own D-ring, and through the lower slot in the rear endboard.
4	9A	Through clevis 9A, through its own D-ring, and through the lower slot in the rear endboard. Secure lashings 3 and 4 together at the rear with two D-rings and a load binder.
5	13	Through clevis 13, through its own D-ring, and through the upper slot in the front endboard.
6	13A	Through clevis 13A, through its own D-ring, and through the upper slot in the front endboard. Secure lashings 5 and 6 together at the front with two D-rings and a load binder.
7	12	Through clevis 12, through its own D-ring, and through the lower slot in the front endboard.
8	12A	Through clevis 12A, through its own D-ring, and through the lower slot in the front endboard. Secure lashings 7 and 8 together at the front with two D-rings and a load binder.

Figure 6-4. Ammunition and Endboards Lashed to Platform



Lashing Number	Tie-down Ring Number	Instructions
9	A8	Pass lashing:
10	A10	Through deck tie-down ring A8 and through its own D-ring. Through deck tie-down ring A10 and through its own D-ring. Secure lashings 9 and 10 together on top of the boxes with two D-rings and a load binder.
11	B8	Through deck tie-down ring B8 and through its own D-ring.
12	B10	Through deck tie-down ring B10 and through its own D-ring. Secure lashings 11 and 12 together on top of the boxes with two D-rings and a load binder.

Figure 6-4. Ammunition and Endboards Lashed to Platform (continued)

INSTALLING OPTIONAL DRIVE-OFF AIDS ON PLATFORM

6-5. Install the optional drive-off aids in the direction in which the truck is to be driven off the platform as shown in Figure 6-5, and according to FM 4-20.102/TO 13C7-1-5.

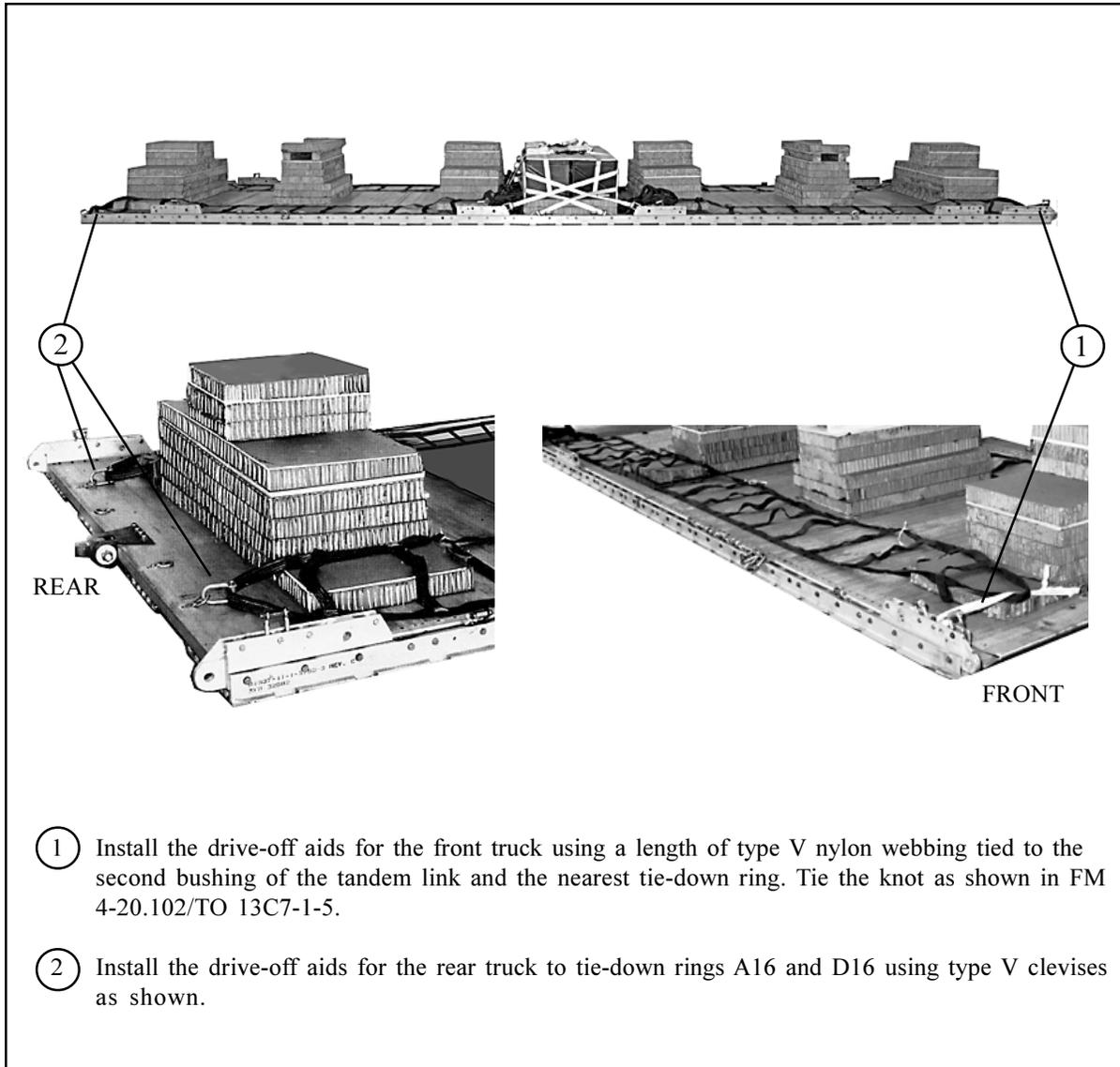


Figure 6-5. Drive-off Aids Installed on Platform

PREPARING AND LOADING TRUCKS

6-6. Prepare and load the trucks as described below.

- a.* Prepare both trucks according to the preparation procedures in Chapter 2 of this manual.
- b.* Omit Step 6, Figure 2-10 for both trucks.
- c.* Omit the parachute release platform for the front truck (Figure 2-13, step 1).
- d.* Prepare the parachute release platform and place it on the rear truck as shown in Figure 6-6.
- e.* Use or adapt the procedures in Figure 2-14 of this manual to rig loads in the trucks. For this load, the trucks may be left empty.

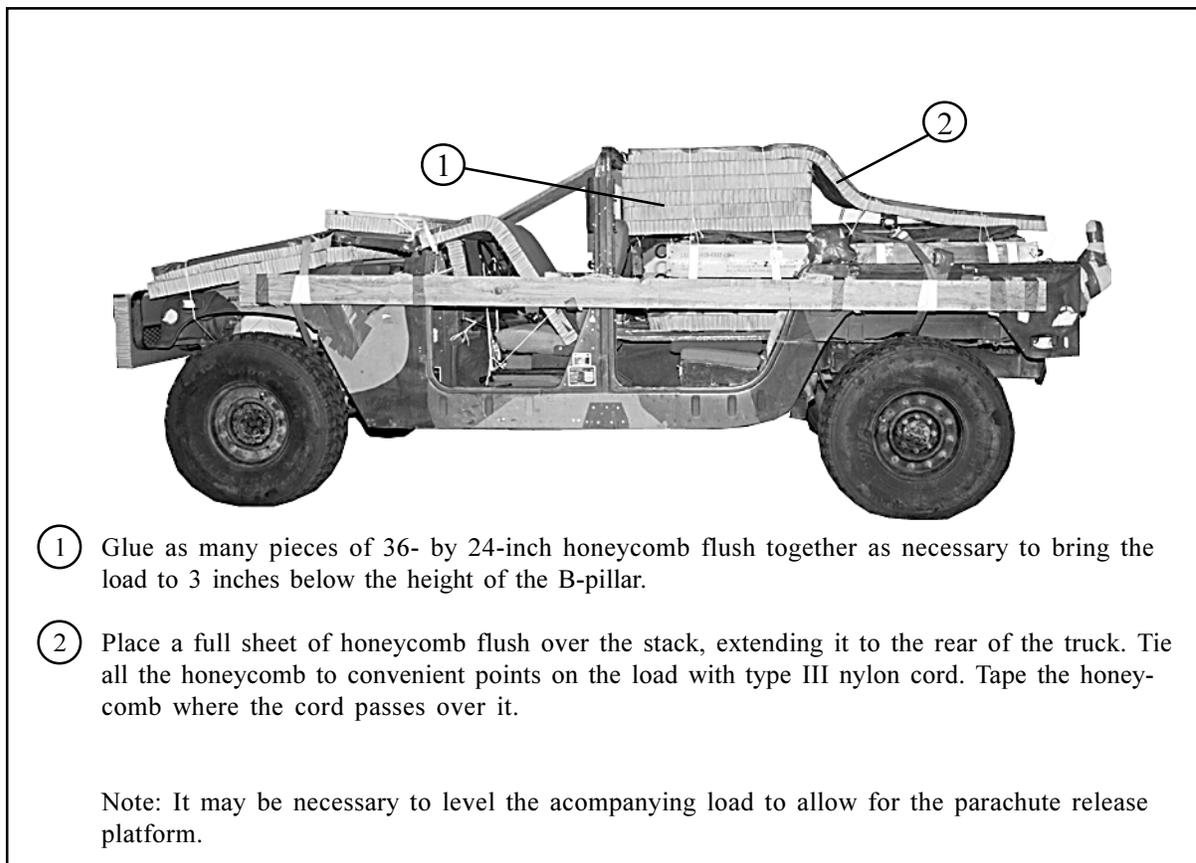
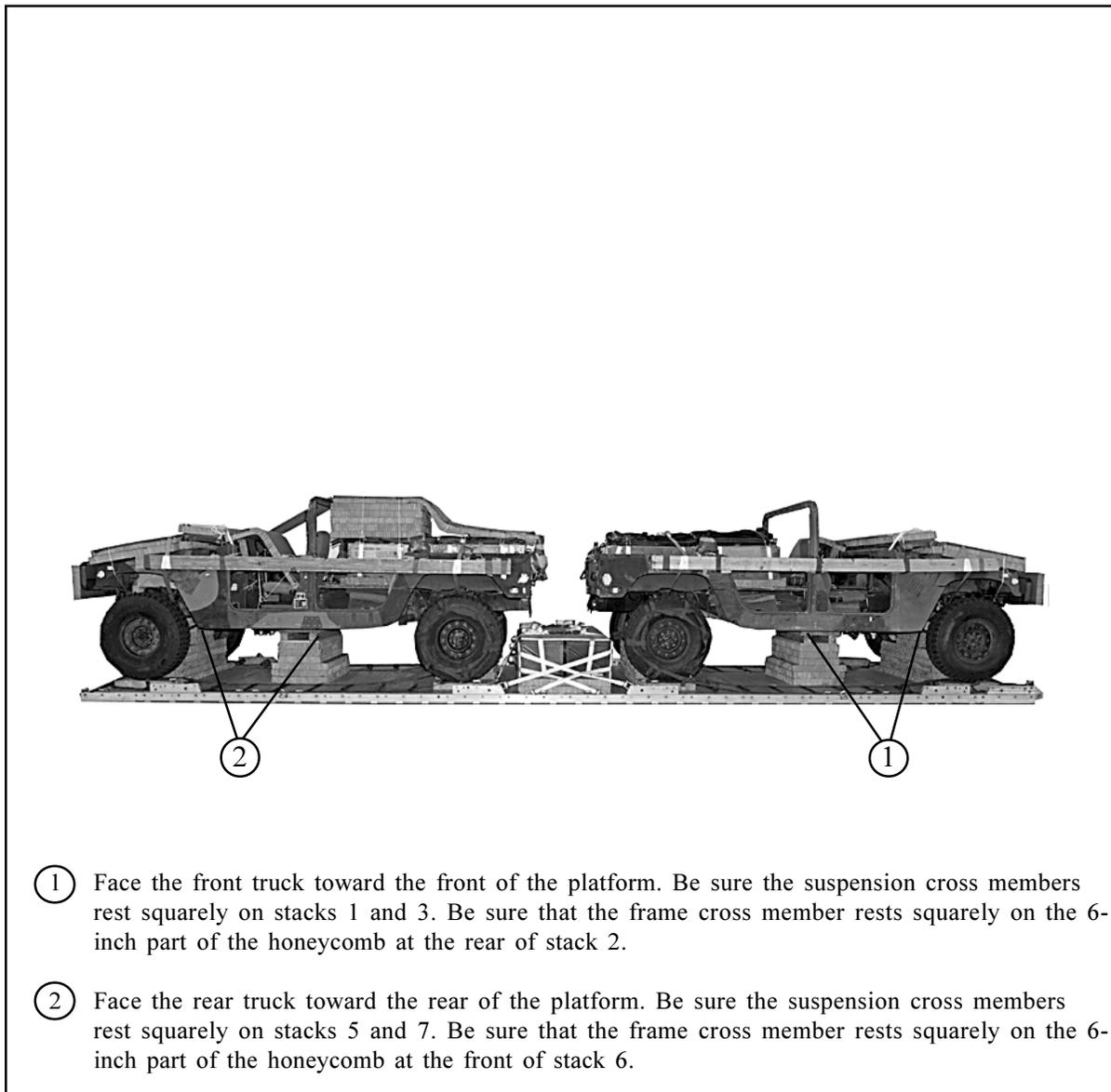


Figure 6-6. Parachute Release Platform Installed on Rear Truck

LIFTING AND POSITIONING TRUCK AND INSTALLING OPTIONAL DRIVE-OFF AIDS

6-7. Install the lifting slings as shown in Figure 2-16 of this manual. Position the trucks on the platform as shown in Figure 6-7 below. Attach the optional drive-off aids to the wheels of the trucks according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 2-17 of this manual.



- ① Face the front truck toward the front of the platform. Be sure the suspension cross members rest squarely on stacks 1 and 3. Be sure that the frame cross member rests squarely on the 6-inch part of the honeycomb at the rear of stack 2.
- ② Face the rear truck toward the rear of the platform. Be sure the suspension cross members rest squarely on stacks 5 and 7. Be sure that the frame cross member rests squarely on the 6-inch part of the honeycomb at the front of stack 6.

Figure 6-7. Lifting Slings Installed and Trucks Positioned