

## **Section II**

### **RIGGING M1081, 2 1/2-TON CARGO TRUCK WITH ACCOMPANYING LOAD**

#### **2-18. Description of Load**

The M1081, 2 1/2-ton cargo truck is rigged on a 24-foot, type V airdrop platform with six G-11 cargo parachutes and other items of airdrop equipment.

The load consists of the M1081, 2 1/2-ton cargo truck and accompanying load of 42 boxes of 105mm ammunition. This load is 97 inches in height, 108 inches in width, 315 inches in length and has a rigged weight of 28,014 pounds.

**2-19. Preparing Platform**

Prepare a 24-foot, type V platform as shown in *Figure 2-22*.

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

The diagram shows a long, narrow, V-shaped platform. It is oriented horizontally with 'REAR' on the left and 'FRONT' on the right. Two diagonal lines extend from the top corners of the platform towards the center, forming a diamond shape. The top-left line is labeled '28A Through 1A' and 'LEFT'. The bottom-right line is labeled '28 Through 1' and 'RIGHT'. The words 'REAR' and 'FRONT' are placed at the far left and right ends of the platform respectively.

**Step:**

1. Inspect, or assemble and inspect, a 24-foot, type V airdrop platform as outlined in TM 10-1670-268-20&P/TO 13C7-52-22.
2. Install a tandem multi-purpose link to each platform side rail using holes 1, 2, and 3.
3. Attach clevises to each tandem link using bushings 1, 2, (tripled), and 3.
4. Starting at the front of each platform side rail, install clevises using bushings bolted to holes 5, 7, 16, 18, 19, 26 (doubled), 27, 28, 29, 30, 31, 38, 39, 41 (doubled), 42, 43, 44, 45, 46, 47, (tripled), and 48.
5. Starting at the front of the platform, number the clevises 1 through 28 on the right side and 1A through 28A on the left side.

*Figure 2-22. Platform prepared*

**2-20. Preparing Honeycomb Stacks**

Use the material in *Table 2-3* to prepare 10 honeycomb stacks as shown in *Figures 2-23 through 2-30*.

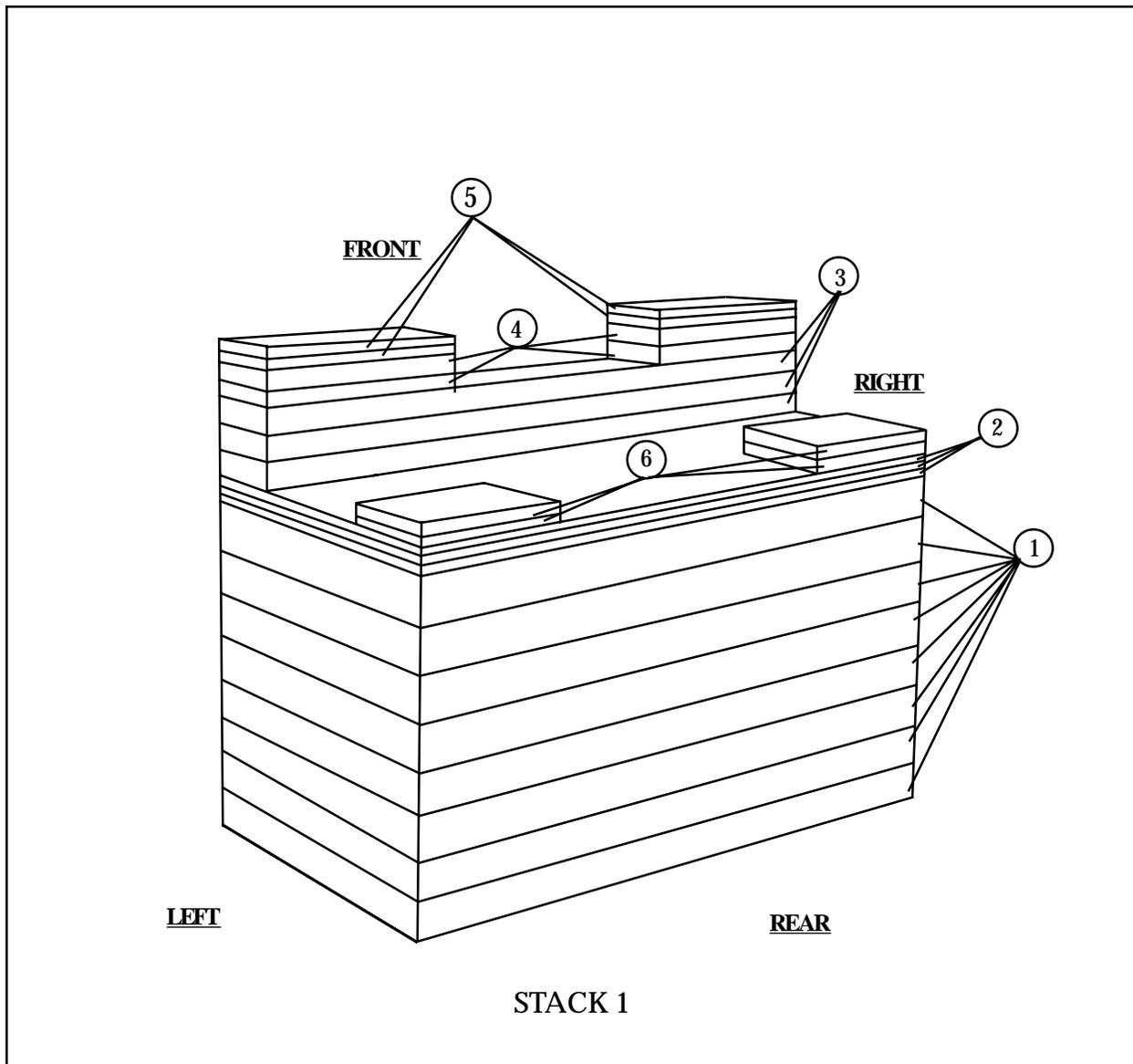
*Table 2-3. Material needed to build honeycomb stacks.*

<b>Stack Number</b>	<b>Pieces</b>	<b>Width (Inches)</b>	<b>Length (Inches)</b>	<b>Material</b>	<b>Instructions</b>
1	8	43	24	Honeycomb	See <i>Figure 2-23</i> .
	3	43	24	3/4-inch Plywood	
	3	2- by 8	43	Lumber	
	4	2- by 8	12	Lumber	
	4	12	7 1/2	3/4-inch Plywood	
	4	14	7	3/4-inch Plywood	
2	5	48	18	Honeycomb	See <i>Figure 2-24</i> .
	2	48	18	3/4-inch Plywood	
	2	2- by 6	18	Lumber	
	6	18	5 1/2	3/4-inch Plywood	
3	2	36	46	Honeycomb	See <i>Figure 2-25</i> .
	2	12	46	Honeycomb	
	12	18	46	Honeycomb	
	6	12	36	Honeycomb	
	4	48	46	3/4-inch Plywood	
	2	2- by 8	26 1/2	Lumber	
	1	7 1/2	26 1/2	1/2-inch Plywood	
	2	7 1/2	8	3/4-inch Plywood	
	1	8	16	3/4-inch Plywood	
	1	8	6	3/4-inch Plywood	
	1	10	10	3/4-inch Plywood	
	4	12	14	3/4-inch Plywood	
	4	2	36	44	
2		12	44	Honeycomb	
12		18	44	Honeycomb	
6		12	36	Honeycomb	
3		48	44	3/4-inch Plywood	
1		2- by 6	48	Lumber	
2		2- by 12	34	Lumber	
6		2- by 6	21	Lumber	
4		2- by 12	12	Lumber	
4		11 1/2	12	3/4-inch Plywood	

Table 2-3. Material needed to build honeycomb stacks (continued).

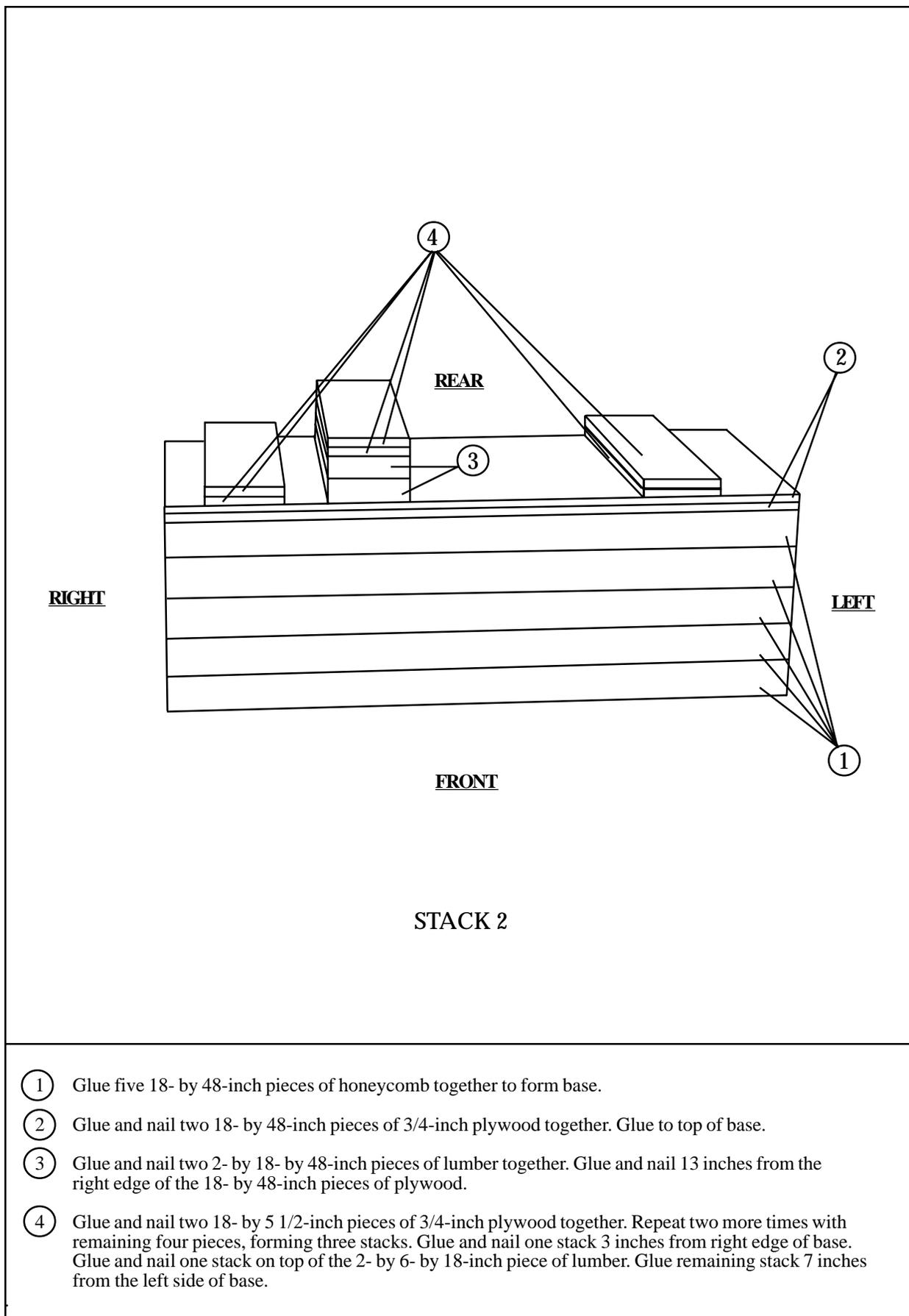
Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
5	5	60	18	Honeycomb	See Figure 2-27.
	2	60	18	3/4-inch Plywood	
	2	2- by 6	18	Lumber	
	6	5 1/2	18	3/4-inch Plywood	
6	8	48	18	Honeycomb	See Figure 2-28.
	3	48	18	3/4-inch Plywood	
	4	2- by 6	45	Lumber	
	6	2- by 6	8	Lumber	
	3	2- by 6	33	Lumber	
7	1	18	96	Honeycomb	See Figure 2-29
8	1	18	96	Honeycomb	See Figure 2-29.
9	1	18	74	Honeycomb	See Figure 2-30.
10	1	18	74	Honeycomb	See Figure 2-30.

**NOTE:** On all stacks the plywood must be cut to fit lumber. **EXAMPLE:** An 11 1/2- by 24 inch piece of plywood sits on a 2- by 12- by 24-inch piece of lumber but hangs over a 1/2 inch on the 11 1/2 inch side. Cut it to 11 by 24 inches to insure it fits. This is not due to improper measurements but to the fact that lumber varies in true sizes.



- ① Glue eight 43- by 24-inch pieces of honeycomb together to form a base.
- ② Glue and nail three 43- by 24-inch pieces of 3/4-inch plywood together. Glue the plywood to the top of the base.
- ③ Glue and nail three 2- by 8- by 43-inch pieces of lumber together. Center and glue the lumber flush with the front of base.
- ④ Glue and nail two 2- by 8- by 12-inch pieces of lumber together. Repeat with remaining two pieces, forming two stacks. Glue and nail one stack to the right side, and the other stack to the left side of previous 2- by 8- by 43-inch piece of lumber.
- ⑤ Glue and nail two 12- by 7 1/2- by 3/4-inch pieces of plywood together. Repeat with remaining two pieces, forming two stacks. Glue and nail one stack to the right side, and the other stack to the left side of previous 2- by 8- by 12-inch piece of lumber.
- ⑥ Glue and nail two 14- by 7- by 3/4-inch pieces of plywood together. Repeat with remaining two pieces, forming two stacks. Glue one stack to the rear right side, and the other stack to the rear left side of base.

Figure 2-23. Stack 1 prepared



- ① Glue five 18- by 48-inch pieces of honeycomb together to form base.
- ② Glue and nail two 18- by 48-inch pieces of 3/4-inch plywood together. Glue to top of base.
- ③ Glue and nail two 2- by 18- by 48-inch pieces of lumber together. Glue and nail 13 inches from the right edge of the 18- by 48-inch pieces of plywood.
- ④ Glue and nail two 18- by 5 1/2-inch pieces of 3/4-inch plywood together. Repeat two more times with remaining four pieces, forming three stacks. Glue and nail one stack 3 inches from right edge of base. Glue and nail one stack on top of the 2- by 6- by 18-inch piece of lumber. Glue remaining stack 7 inches from the left side of base.

Figure 2-24. Stack 2 prepared

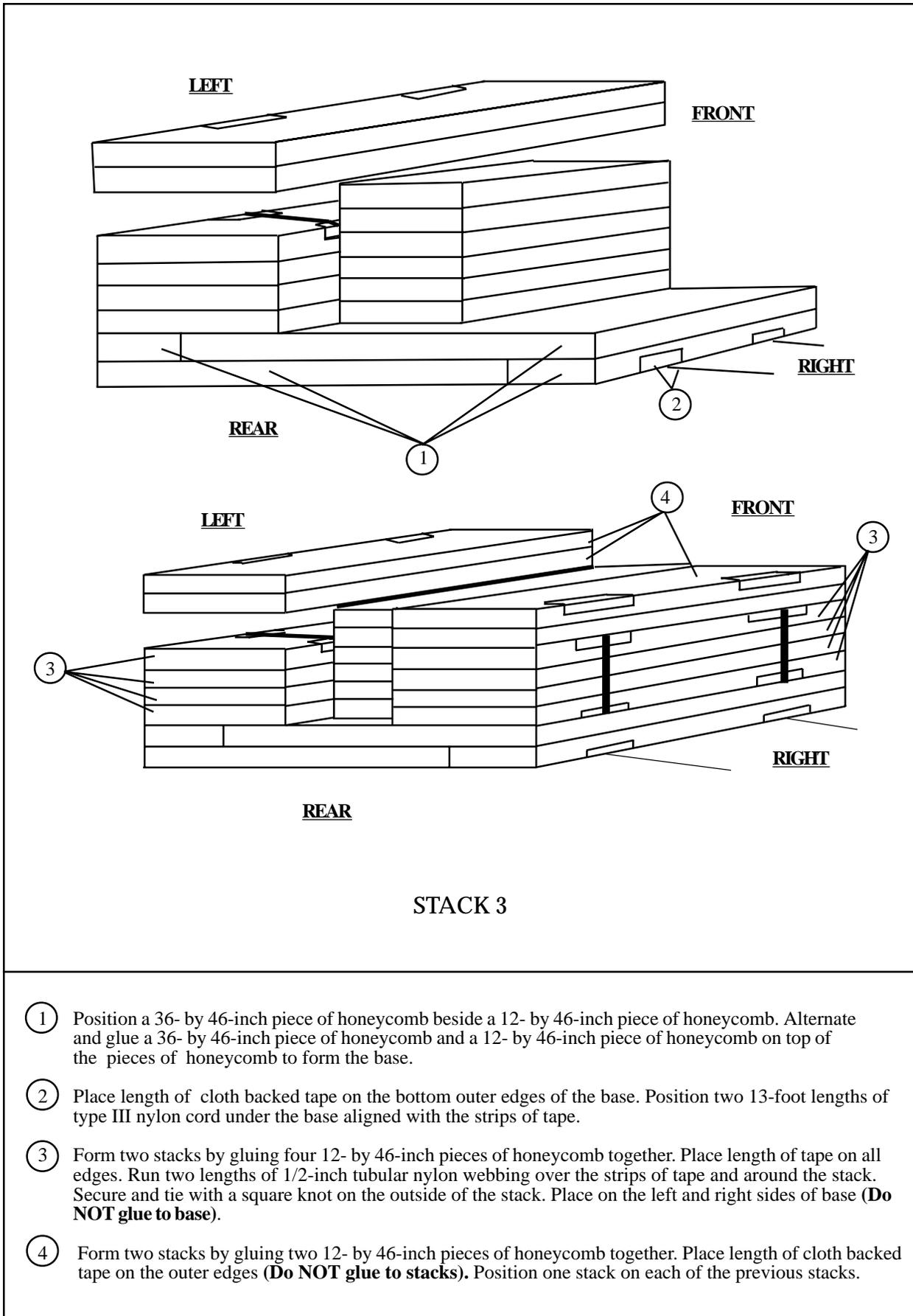
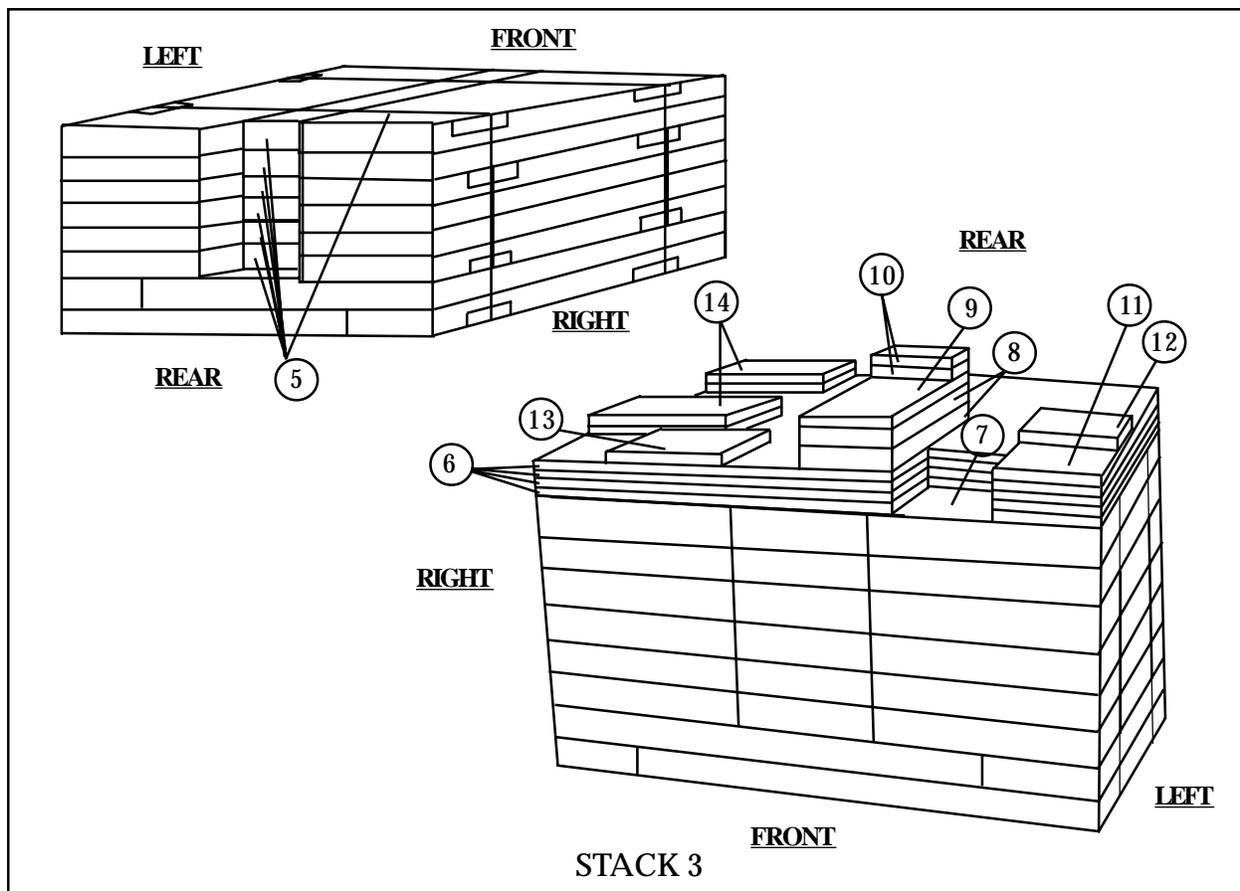


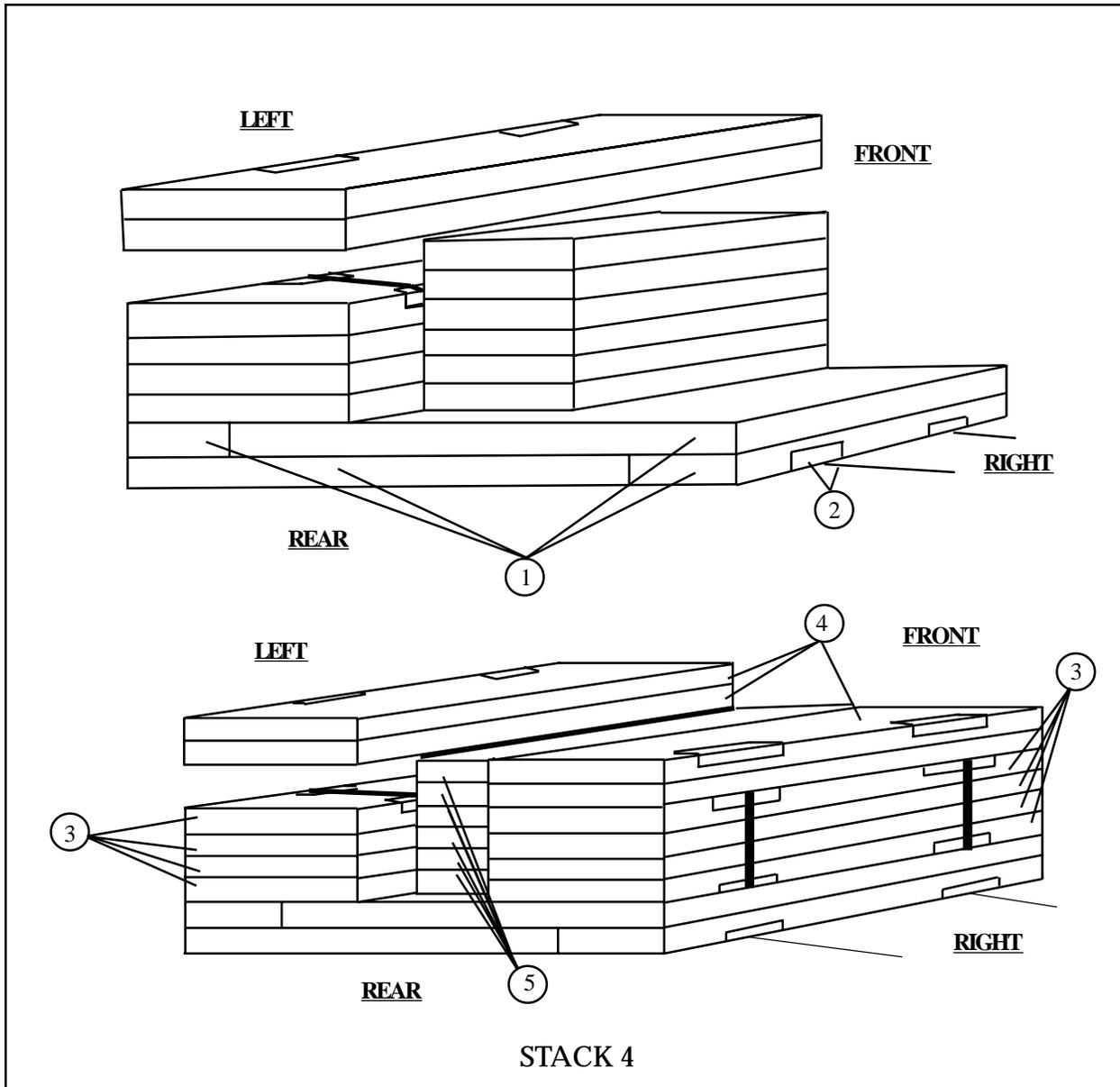
Figure 2-25. Stack 3 prepared



STACK 3

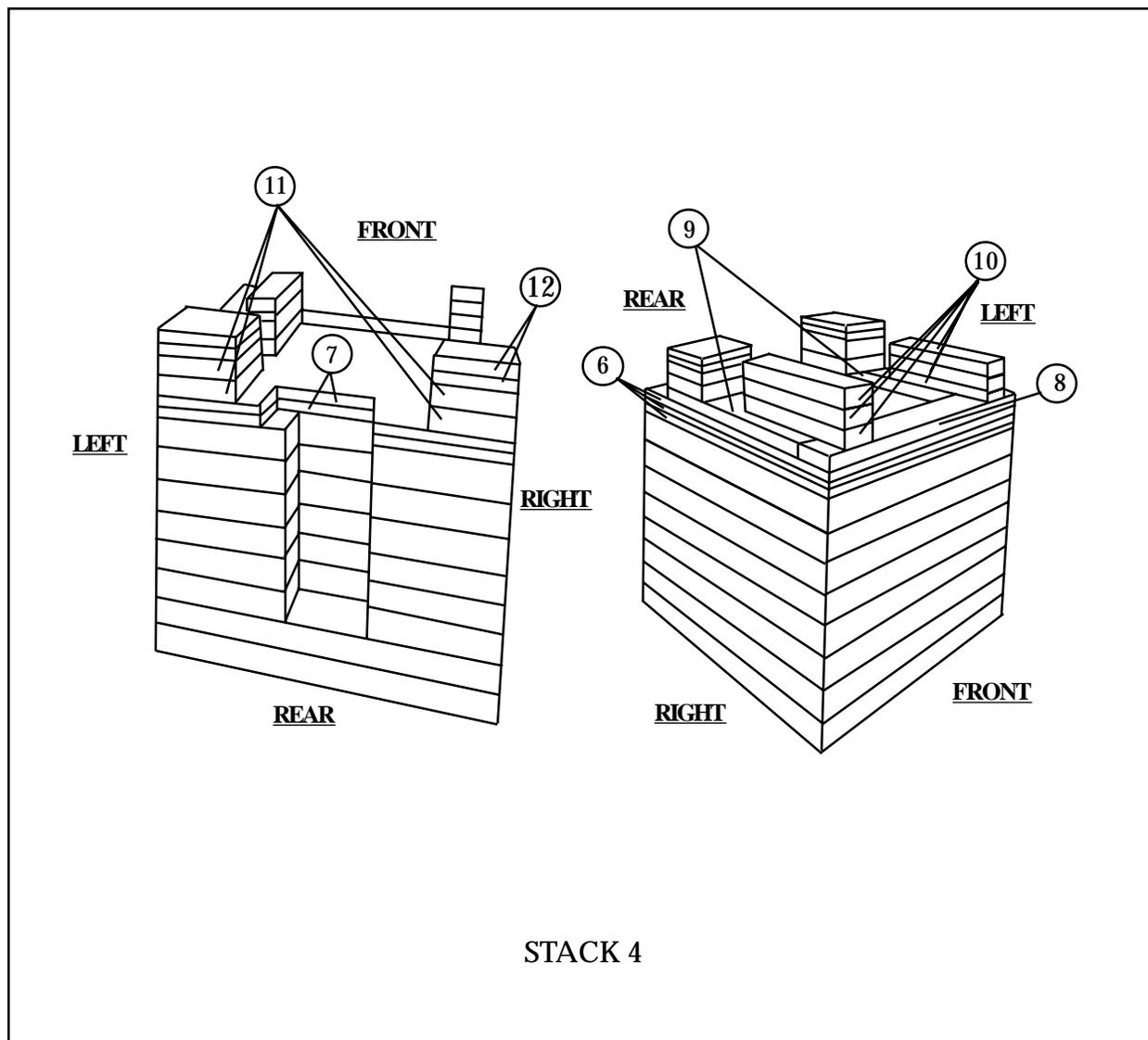
- ⑤ Glue six 12- by 36-inch pieces of honeycomb together to form a stack. Position between 18- by 46-inch stacks and flush with the front of base (**Do NOT glue to base**). Secure and tie the type III nylon cord around the completed honeycomb stack.
- ⑥ Glue and nail four 48- by 46-inch pieces of 3/4-inch plywood together. (**Do not build lumber stack on honeycomb stack. The lumber will be placed on the stack later.**)
- ⑦ Cut an 8-inch long, 12-inch deep cutout in the front of each of the 48-inch sides of plywood and 8 inches from the left 46 inch side of the plywood.
- ⑧ Glue and nail two 2- by 8- by 26 1/2-inch pieces of lumber flush with front edge and right edge of cutout. Glue and nail each piece separately.
- ⑨ Glue and nail a 7 1/2- by 26 1/2-inch piece of 1/2-inch plywood on top of the 2- by 8- by 26 1/2-inch piece of lumber.
- ⑩ Glue and nail two 7 1/2- by 8-inch pieces of 3/4-inch plywood. Glue the plywood flush and to the rear of the 7 1/2- by 26 1/2-inch pieces of 1/2-inch plywood.
- ⑪ Glue and nail a 8- by 16-inch piece of 3/4-inch plywood flush with front left edge of the 48- by 46-inch piece of 3/4-inch plywood.
- ⑫ Glue and nail a 8- by 6-inch piece of 3/4-inch plywood flush with rear left edge of the 8- by 16-inch piece of 3/4-inch plywood.
- ⑬ Glue and nail a 10- by 10-inch piece of 3/4-inch plywood flush with front edge, 8 inches from right side.
- ⑭ Form two stacks by gluing and nailing two 12- by 14-inch pieces of 3/4-inch plywood together. Position one stack against the rear edge of the 10- by 10-inch piece of 3/4-inch plywood. Ensure the 12 inch side is flush with right edge of the 48- by 46-inch piece of 3/4-inch plywood. Glue and nail the other stack flush with right rear edge of the 48- by 46-inch piece of 3/4-inch plywood. Ensure the 12 inch side is flush with right edge of the 48- by 46-inch piece of 3/4-inch plywood. Glue all lumber to honeycomb base.

Figure 2-25. Stack 3 prepared (continued)



- ① Position a 36- by 44-inch piece of honeycomb beside a 12- by 44-inch piece of honeycomb. Alternate and glue a 36- by 44-inch piece of honeycomb and a 12- by 44-inch piece of honeycomb on top of the pieces of honeycomb to form the base.
- ② Place length of cloth backed tape on the bottom outer edges of the base. Position two 13-foot lengths of type III nylon cord under the base aligned with the strips of tape.
- ③ Form two stacks by gluing four 18- by 44-inch pieces of honeycomb together. Place length of tape on all edges. Run two lengths of 1/2-inch tubular nylon webbing over the strips of tape and around the stack. Secure and tie with a square knot on the outside of the stack. Place on the left and right sides of base (**Do NOT glue to base**).
- ④ Form two stacks by gluing two 12- by 44-inch pieces of honeycomb together. Place length of cloth backed tape on the outer edges (**Do NOT glue to stacks**). Position one stack on each of the previous stacks.
- ⑤ Glue six 12- by 36-inch pieces of honeycomb together to form a stack. Position between 18- by 44-inch stacks and flush with the front of base (**Do NOT glue to base**). Secure and tie the type III nylon cord around the completed honeycomb stack.

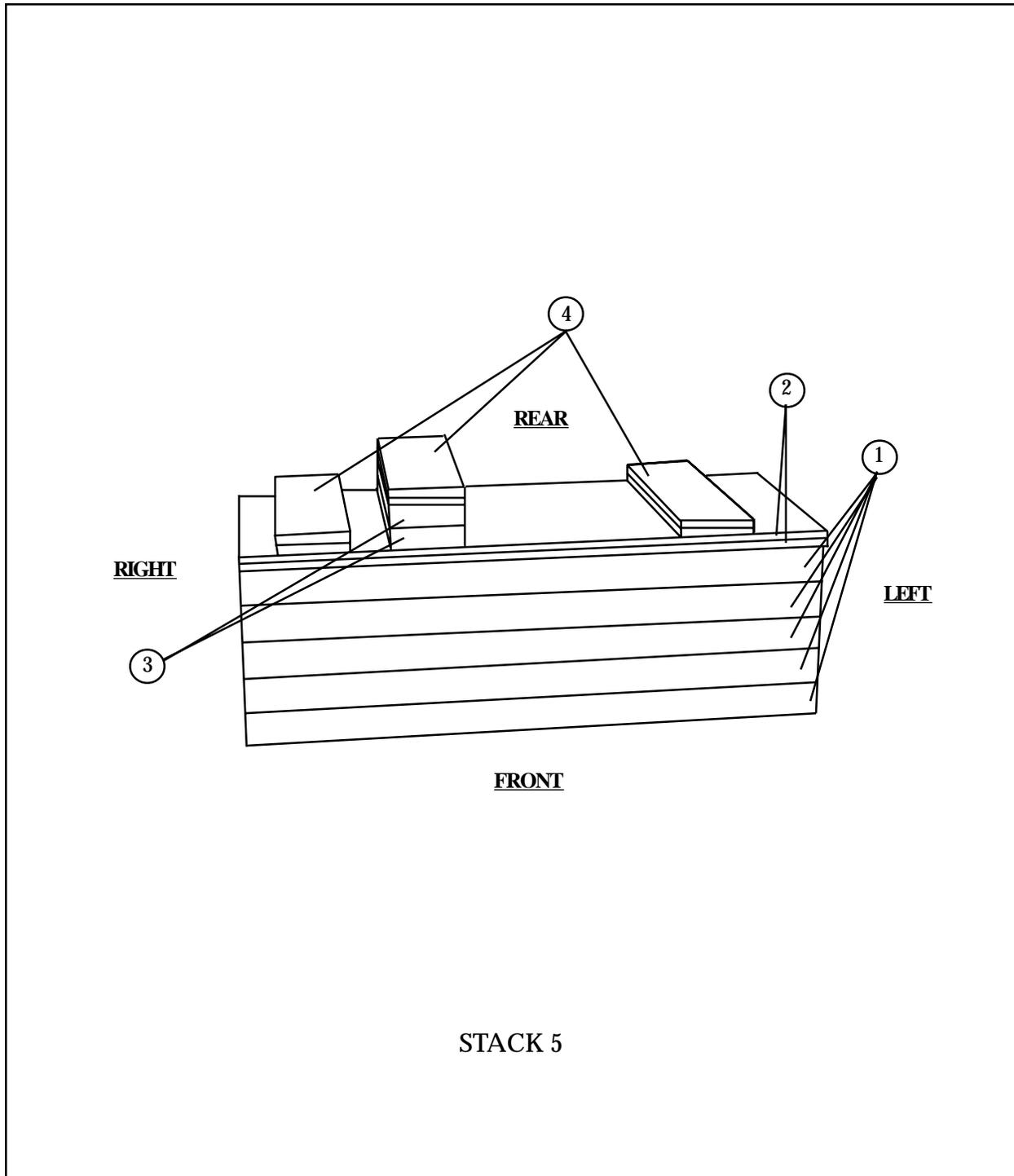
Figure 2-26. Stack 4 prepared



STACK 4

- ⑥ Glue and nail three 48- by 44-inch pieces of 3/4-inch plywood together. **(Do not build lumber stack on honeycomb stack. The lumber will be placed on the stack later.)**
- ⑦ Cut a 26-inch by 15-inch deep cutout centered in the rear of the 48-inch side of plywood.
- ⑧ Glue and nail a 2- by 6- by 48-inch piece of lumber with front edge of 48- by 44-inch piece of 3/4-inch plywood.
- ⑨ Glue and nail two 2- by 12- by 34-inch pieces of lumber, one piece flush with the left side and the other flush on the right side of the 48- by 44-inch piece of 3/4-inch plywood and against the 2- by 12- by 48-inch piece of lumber.
- ⑩ Form two stacks by gluing and nailing three 2- by 6- by 21-inch pieces of lumber together. Place one stack flush with the front of the 2- by 6- by 48-inch piece of lumber edge and 5 1/2 inches from the left edge. Glue and nail the other stack flush with the front of the 2- by 6- by 48-inch lumber edge and 5 1/2 inches from the right side.
- ⑪ Form two stacks by gluing and nailing two 2- by 12- by 12-inch pieces of lumber together. Place one stack flush with the rear right edge of the 2- by 12- by 34-inch piece of lumber. Repeat for the left side.
- ⑫ Form two stacks by gluing and nailing two 1 1/2- by 12-inch pieces of lumber together. Place one stack on top of the 2- by 12- by 12-inch lumber on right side. Glue and nail the other stack on top of the 2- by 12- by 12-inch lumber on the left side. Glue all lumber to honeycomb base.

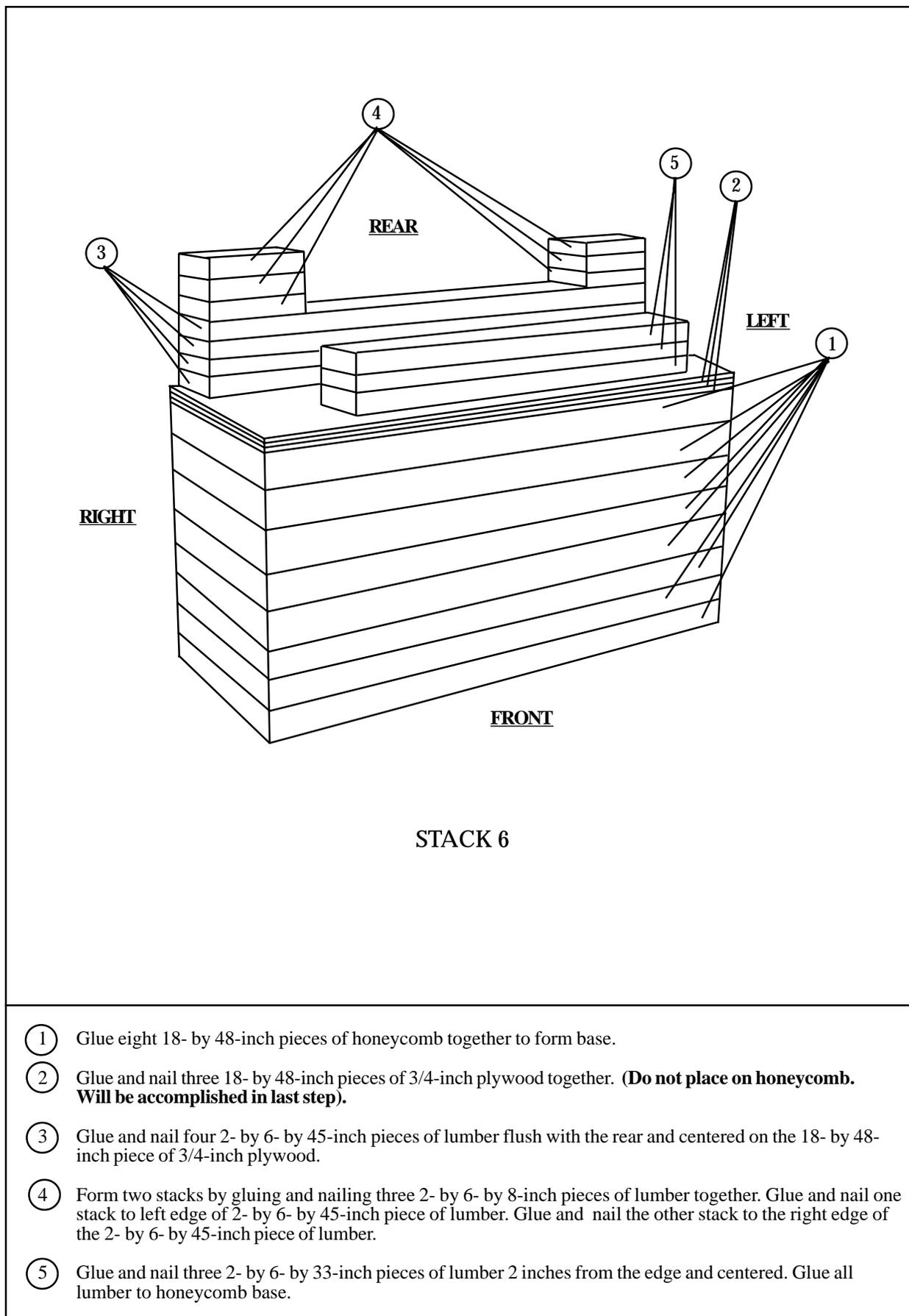
Figure 2-26. Stack 4 prepared (continued)



STACK 5

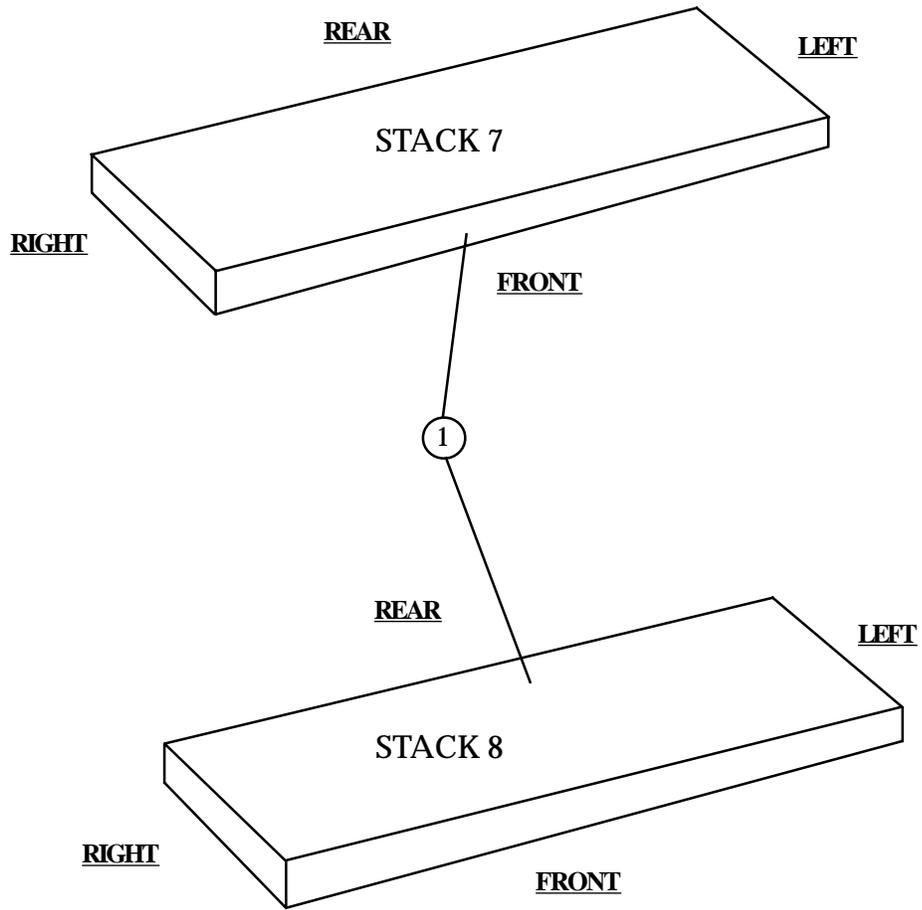
- ① Glue five 18- by 60-inch pieces of honeycomb together to form base.
- ② Glue and nail two 18- by 60-inch pieces of 3/4-inch plywood together. Glue to top of base.
- ③ Glue and nail two 2- by 6- by 18-inch pieces of lumber together. Glue and nail 16 1/2 inches from right edge of 18- by 60-inch piece of 3/4-inch plywood.
- ④ Form three stacks by gluing and nailing two 5 1/2- by 18-inch pieces of 3/4-inch plywood together. Glue one stack 5-inches from right edge of base. Glue another stack on top of the 2- by 6- by 18-inch piece of lumber. Glue the remaining stack 5 inches from the left side of base. Glue all lumber to honeycomb.

Figure 2-27. Stack 5 prepared



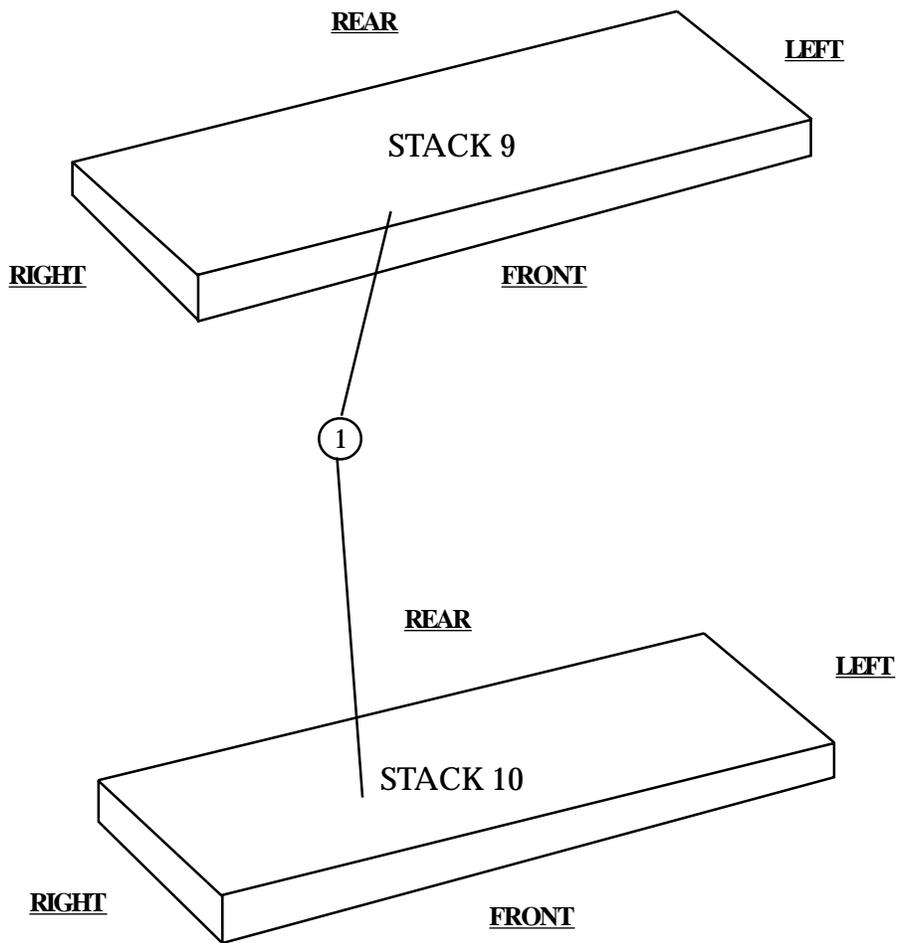
- ① Glue eight 18- by 48-inch pieces of honeycomb together to form base.
- ② Glue and nail three 18- by 48-inch pieces of 3/4-inch plywood together. **(Do not place on honeycomb. Will be accomplished in last step).**
- ③ Glue and nail four 2- by 6- by 45-inch pieces of lumber flush with the rear and centered on the 18- by 48-inch piece of 3/4-inch plywood.
- ④ Form two stacks by gluing and nailing three 2- by 6- by 8-inch pieces of lumber together. Glue and nail one stack to left edge of 2- by 6- by 45-inch piece of lumber. Glue and nail the other stack to the right edge of the 2- by 6- by 45-inch piece of lumber.
- ⑤ Glue and nail three 2- by 6- by 33-inch pieces of lumber 2 inches from the edge and centered. Glue all lumber to honeycomb base.

Figure 2-28. Stack 6 prepared



- ① Cut two 18- by 96-inch pieces of honeycomb. No further preparation is needed.

Figure 2-29. Stacks 7 and 8 prepared



- ① Cut two 18- by 74-inch pieces of honeycomb. No further preparation is needed.

Figure 2-30. Stacks 9 and 10 prepared



Stack Number	Instructions
1	Position stack 1, centered and flush with the front edge of the platform. Secure the stack by passing a lashing through clevis 2A and it's own D-ring. Route the lashing over the stack and secure it with a loadbinder to clevis 2.
2	Position stack 2, 19 inches from stack 1, 22 inches from the left side rail, and 28 inches from right side rail.
3	Position stack 3, 15 inches from stack 2, 30 1/4 inches from the left side rail and 19 1/4 inches from the right side rail. Secure the stack by passing a lashing through clevis 8A and it's own D-ring. Route the lashing over the stack and secure it with a loadbinder to clevis 8.
4	Position stack 4, 10 inches from stack 3, 25 1/2 inches from the left side rail and 24 1/4 inches from the right side rail. Secure the stack by passing a lashing through clevis 10A and it's own D-ring. Route the lashing over the stack and secure it with a loadbinder to clevis 10.
5	Position stack 5, 23 inches from stack 4, 19 1/4 inches from the left side rail, and 18 inches from right side rail.
6	Position stack 6, 17 inches from stack 5, 26 inches from the left side rail and 23 inches from the right side rail. Secure the stack by passing a lashing through clevis 20A and it's own D-ring. Route the lashing over the stack and secure it with a loadbinder to clevis 20.
7	Position stack 7, flush with the front edge of the platform and flush with the right side rail.
8	Position stack 8, flush with the front edge of the platform and flush with the left side rail.
9	Position stack 9, 85 inches from the rear of stack 7 and flush with the right side rail.
10	Position stack 10, 85 inches from the rear of stack 8 and flush with the left side rail.

Figure 2-31. Honeycomb stacks positioned on platform (Continued)

**2-22. Preparing Truck**

Prepare the M1081 truck as described below and as shown in *Figure 2-12*.

- a.* Make sure the fuel tank is 3/4 full.
- b.* Make sure the batteries and compartment comply with AFJMAN 24-204/TM 38-250.

*The following is a list of materials used for truck preparation.*

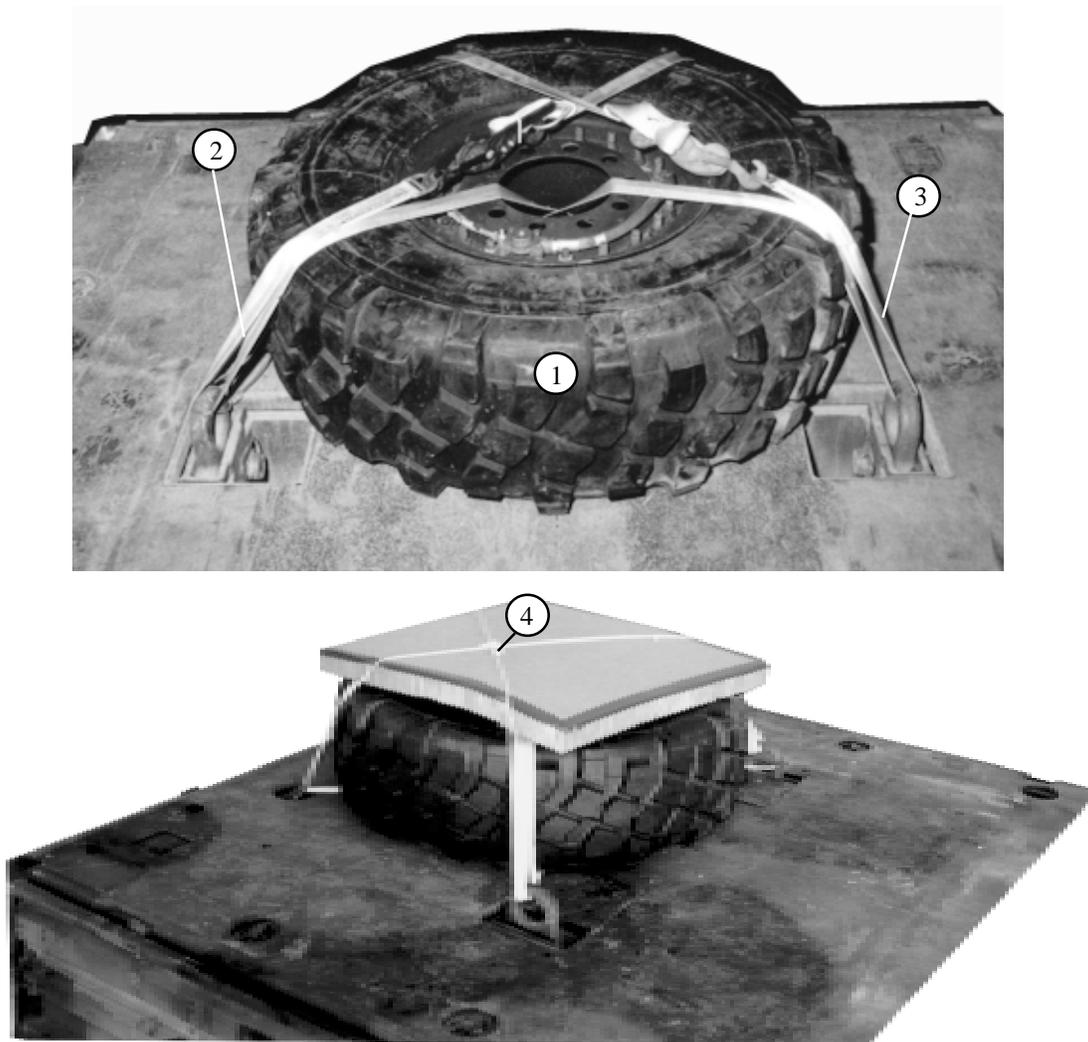
<b>PIECES</b>	<b>WIDTH (inches)</b>	<b>LENGTH (inches)</b>	<b>MATERIAL</b>
1	36	36	Honeycomb
1	36	80	Honeycomb
2	18	60	Honeycomb
10	2- by 6	13	Lumber
2	4- by 4	6	Lumber
2	4- by 4	15	Lumber
4	2- by 4	6	Lumber
1	10	10	3/4-inch Plywood
3	2- by 6	6	Lumber
1	36	96	Honeycomb
4	1/2	10	Bolts (washers and nuts)

- NOTES:**
- 1. The truck should arrive at the rigging site with the gun turret removed from roof and replaced with flat insert.**
  - 2. The cargo/troop cover, bows, seats, and rails located in the rear of the truck should be removed.**

**2-23. Stowing Accompanying Load**

Stow the accompanying load of forty-two boxes of 105 mm ammunition and vehicle parts as shown in *Figure 2-32*.

**NOTE: Ensure the rear lifting points are in the up position.**



- ① Stow the spare tire on the rear of the truck bed centered between the two rear tiedown rings and the rear lifting points.
- ② Run a 15-foot tiedown lashing through the left rear tiedown ring under the tire, up through the center of the rim, to the right rear lifting point (do not secure until next step).
- ③ Run a second 15-foot tiedown lashing from the right rear tiedown ring under the tire, up through the center of the rim, to the left rear lifting point. Secure both lashings on top of the tire with D-rings and loadbinders.
- ④ Cut a 36- by 36-inch piece of honeycomb. Secure the honeycomb on top of the tire with type III nylon cord.

*Figure 2-32. Accompanying load stowed*

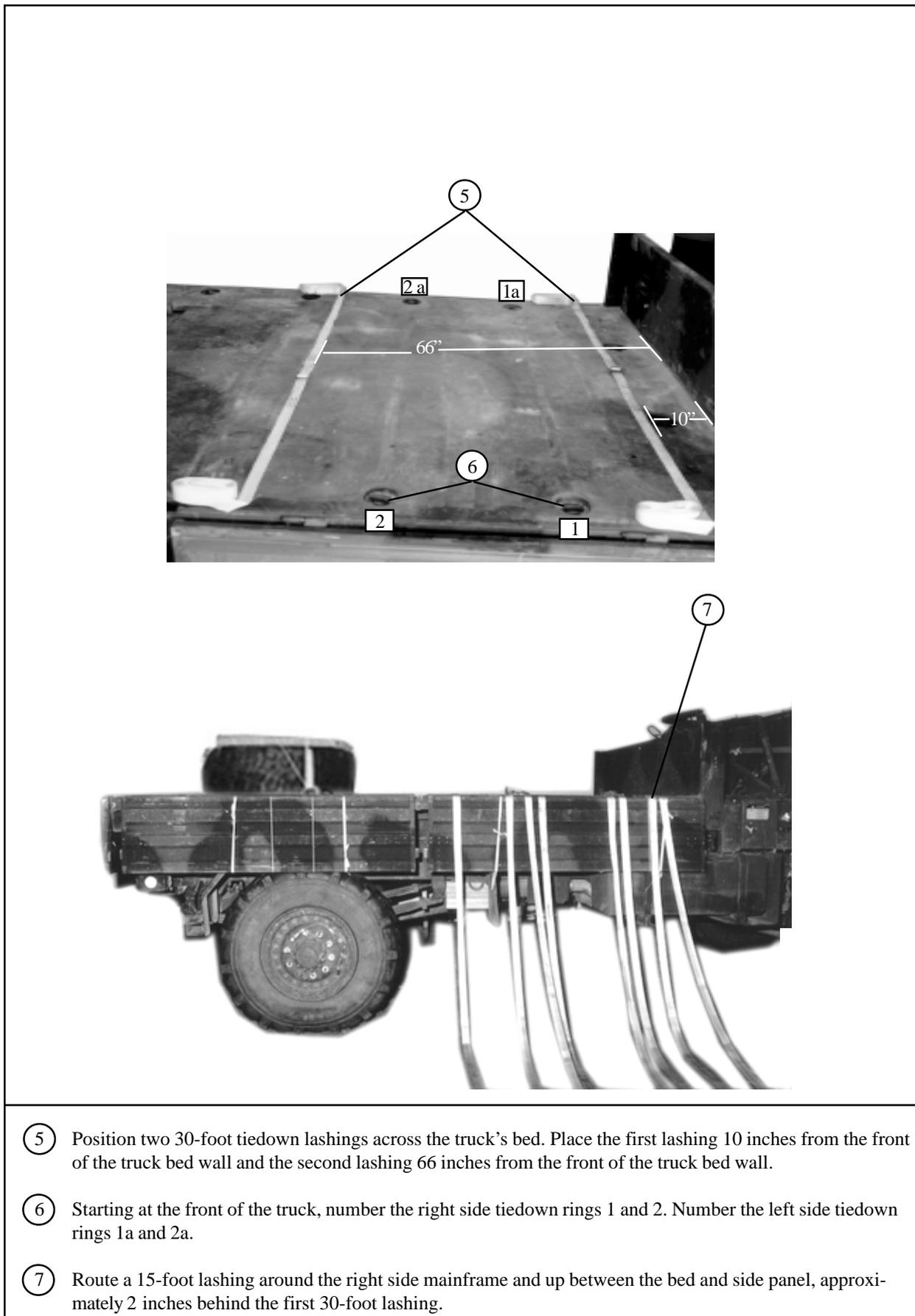
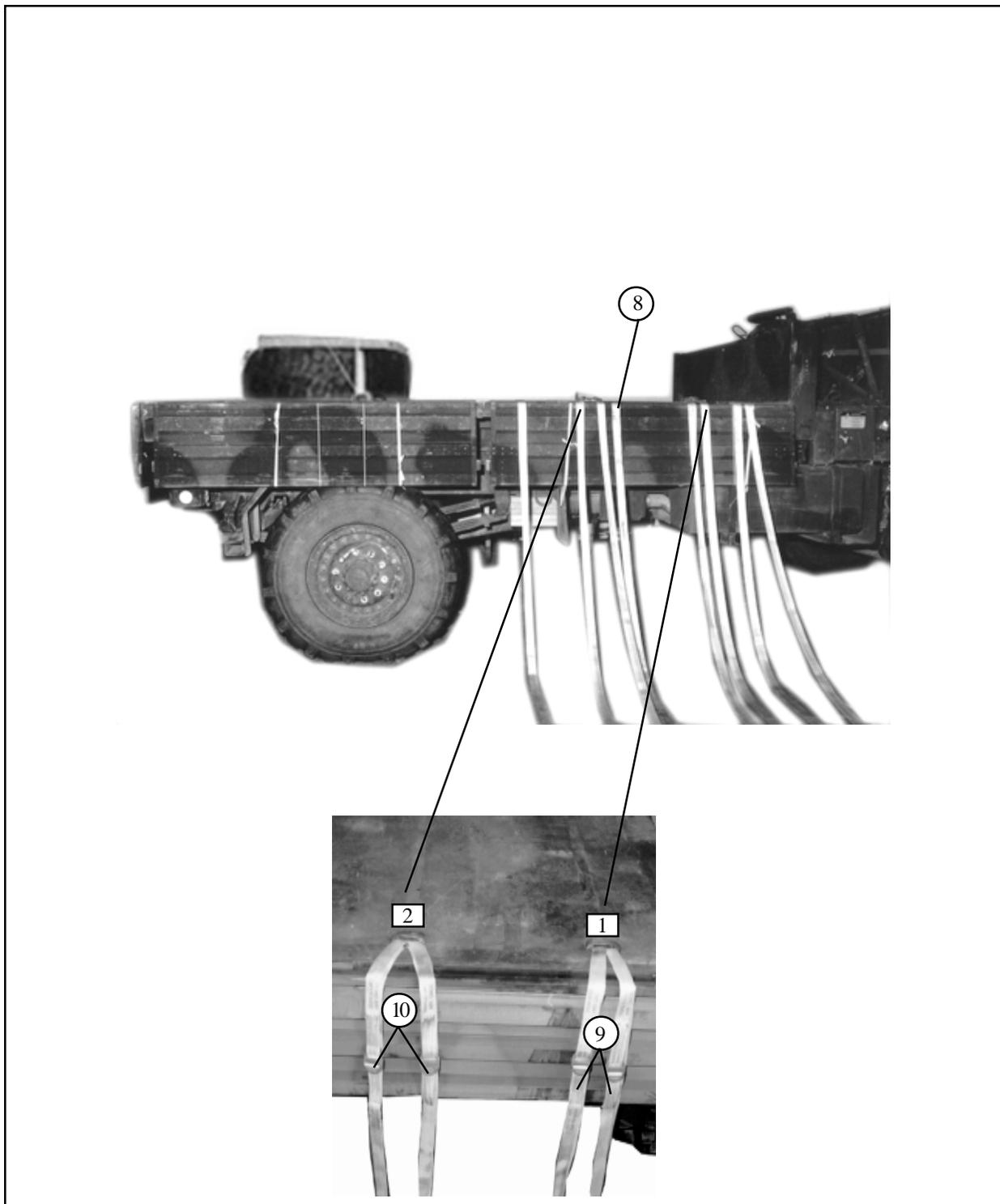


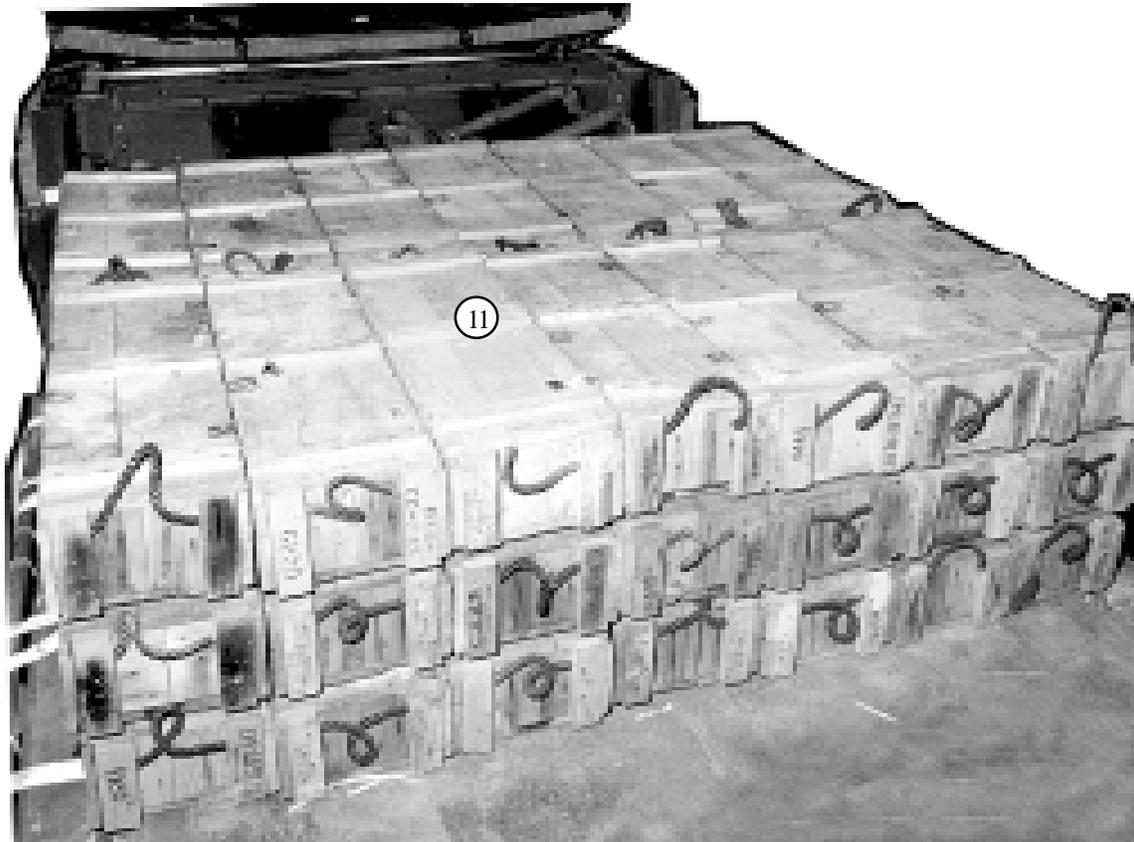
Figure 2-32. Accompanying load stowed (Continued)



- ⑧ Route a 15-foot lashing around the right side mainframe and up between the bed and side panel, approximately 2 inches in front of the truck bed tiedown ring 2. Repeat for the left side.
- ⑨ Route two 15-foot lashings through the truck bed tiedown ring 1, and through their own D-rings. Repeat for truck bed tie-down ring 1a.
- ⑩ Route two 15-foot lashings through the truck bed tiedown ring 2, and through their own D-rings. Repeat for truck bed tie-down ring 2a.

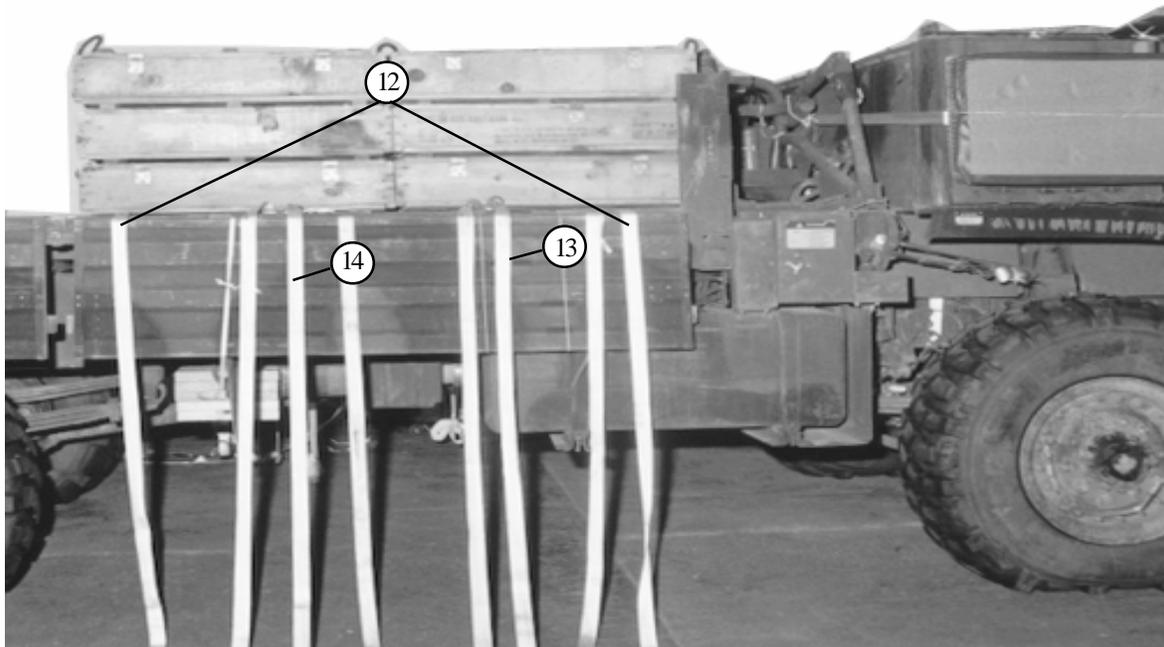
Figure 2-32. Accompanying load stowed (Continued)

**Note:** Before positioning 105-mm ammunition boxes, make sure that all tiedown rings are laying to the outside of the truck bed.



- ⑪ Position forty-two 105mm ammunition boxes on top of truck bed. Make sure the boxes against the front of the bed, two rows of seven boxes across and three boxes deep.

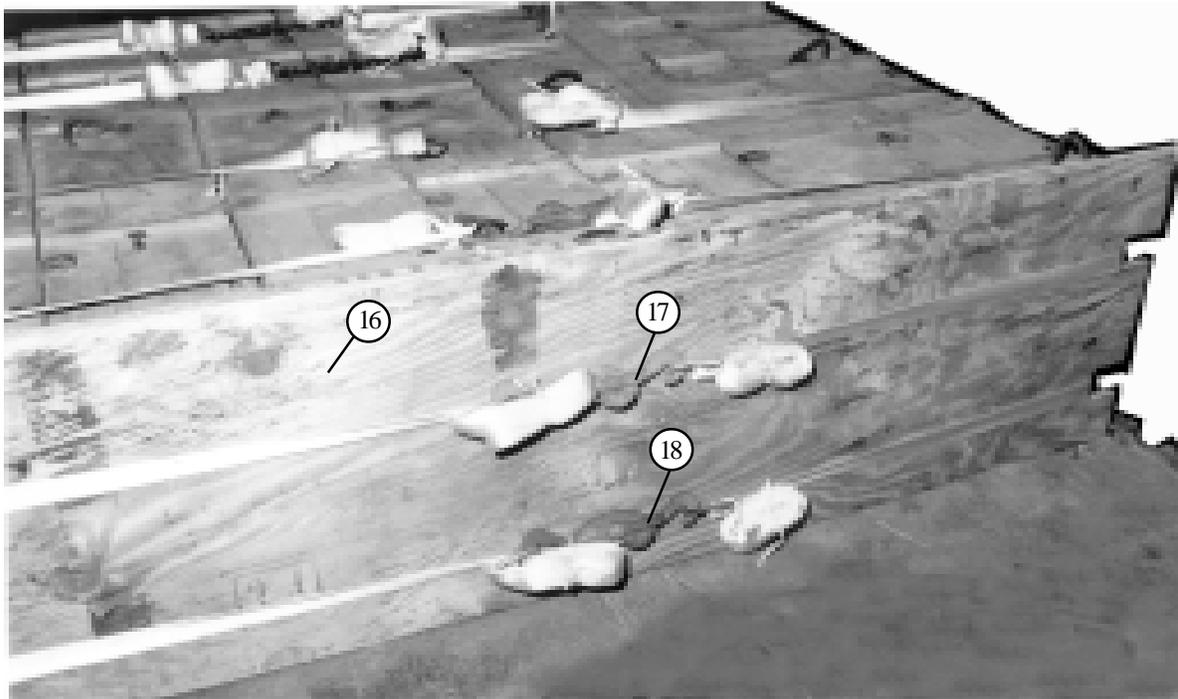
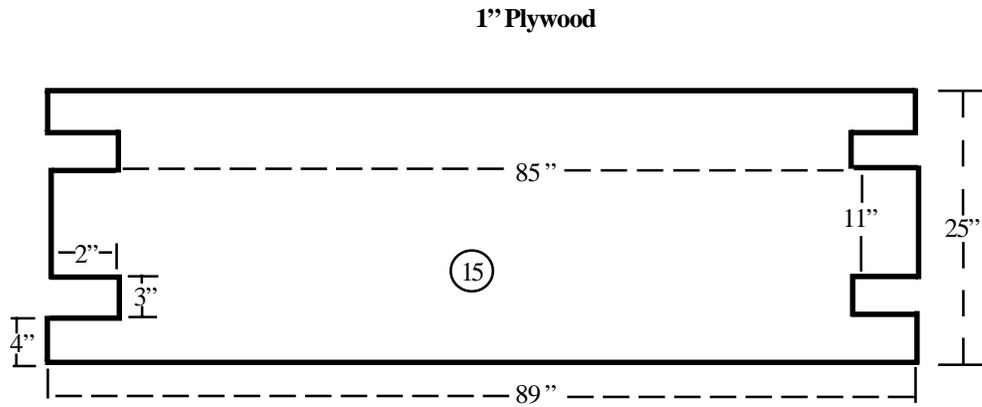
Figure 2-32. Accompanying load stowed(Continued)



- ⑫ Secure each of the 30-foot lashings on top of the boxes.
- ⑬ Secure one 15-foot lashing from tiedown ring 1 together on the boxes with one lashing from tiedown ring 1a.
- ⑭ Secure one 15-foot lashing from tiedown ring 2 together on top of the boxes with one lashing from tiedown ring 2a.

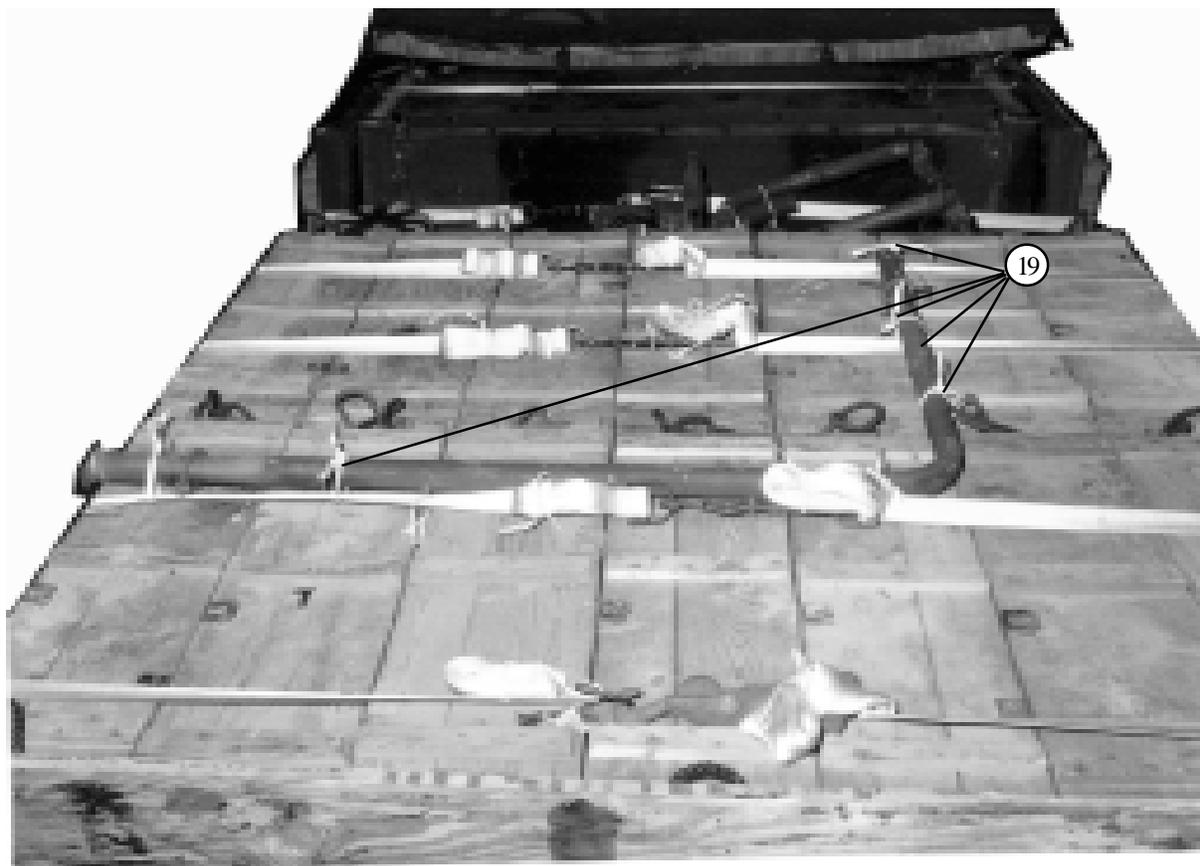
Figure 2-32. Accompanying load stowed (Continued)

Note: This drawing is not drawn to scale.



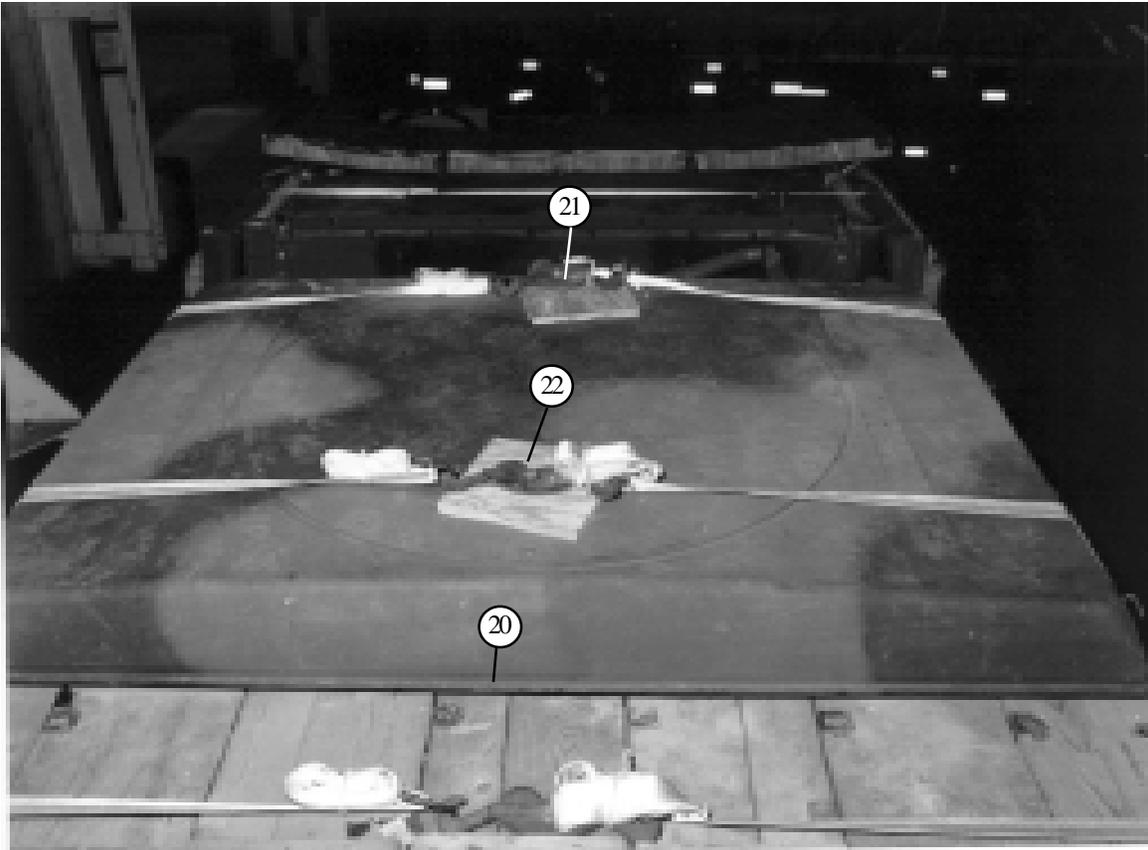
- ⑮ Cut an end-board as shown, using one sheet of 1-inch or two sheets of 1/2-inch plywood.
- ⑯ Position the end-board against the ammunition boxes.
- ⑰ Run the 15-foot lashings from tiedown rings 1 and 1a through the top cutouts. Secure together in the rear with D-rings and loadbinder.
- ⑱ Run the 15-foot lashings from tiedown rings 2 and 2a through the bottom cutouts. Secure together in the rear with D-rings and loadbinder.

Figure 2-32. Accompanying load stowed (Continued)



- ①9 Secure the spare tire davit on top of the boxes with 1/2-inch tubular nylon, tied to convenient points on the load.

Figure 2-32. Accompanying load stowed (Continued)

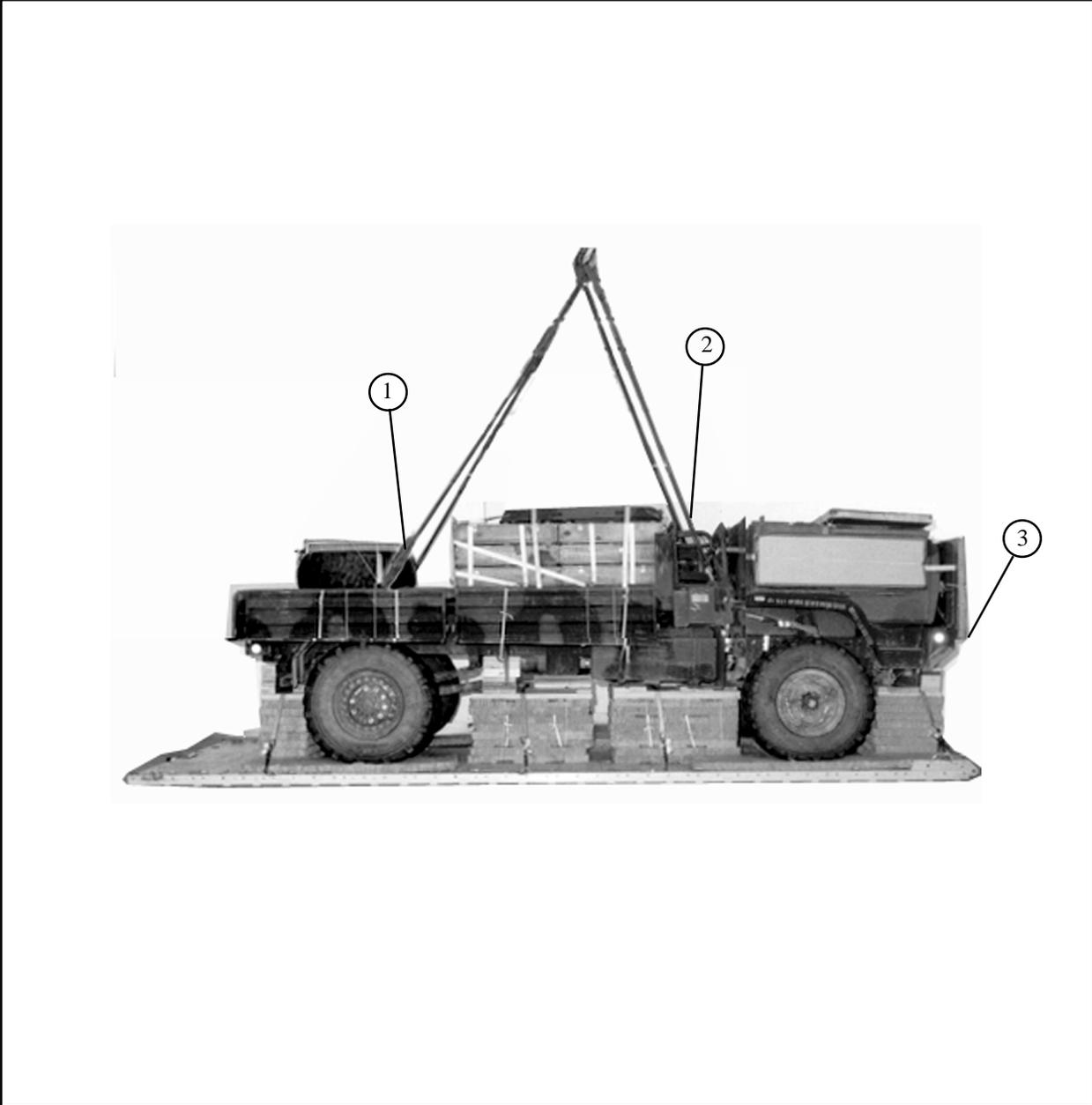


- ②① Position the roof on top of the ammunition boxes.
- ②② Secure the front lashing (routed around the mainframe) together on top of the roof with loadbinder and D-rings. Place a 14- by 14-inch piece of 3/4-inch plywood under the binder and tape to the roof.
- ②③ Secure the rear lashing (routed around the mainframe) together on top of the roof. Place a 14- by 14-inch piece of 3/4-inch plywood under the binder and tape to the roof with loadbinder and D-rings.
- ②④ Secure all corners of the roof with 1/2-inch tubular nylon to convenient points on the load. (Not shown).

Figure 2-32. Accompanying load stowed (Continued)

**2-24. Lifting and Positioning Truck**

Install lifting sling on the M1081 truck and position the truck on the platform as shown in *Figure 2-33*.

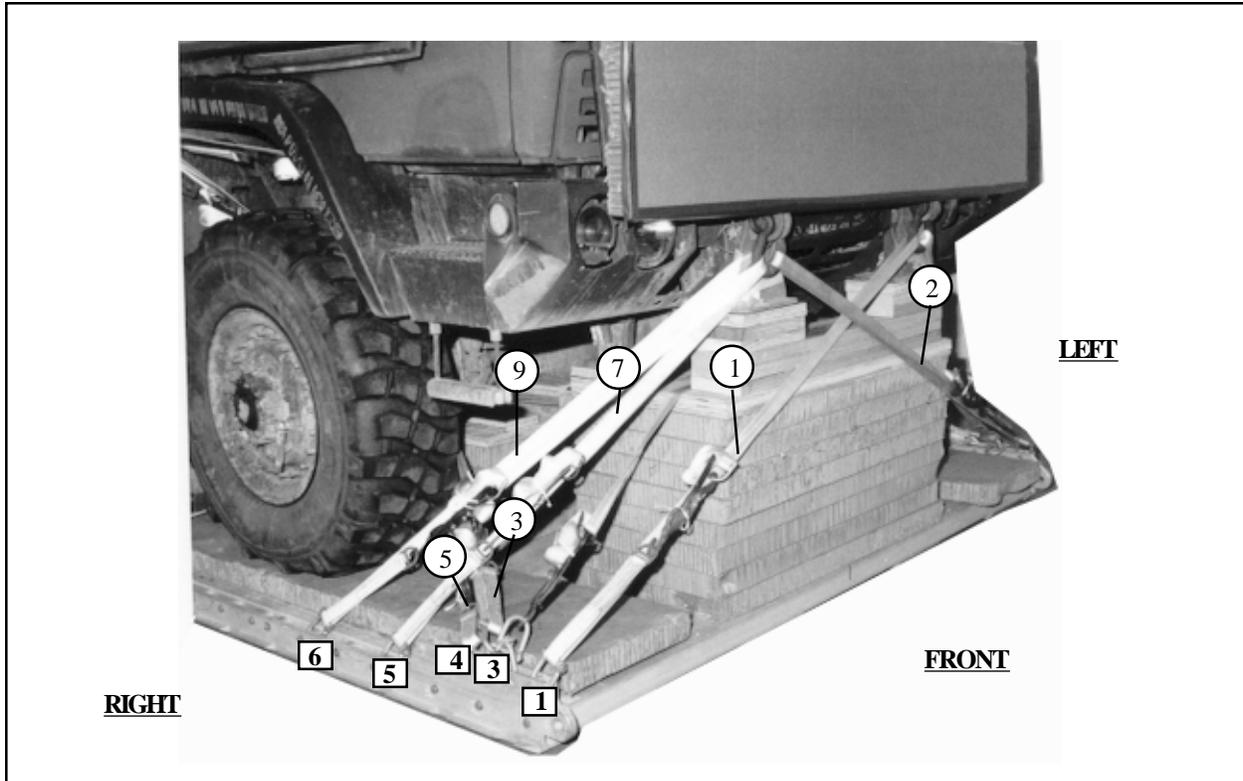


- ① Attach a 9-foot (4-loop), type XXVI sling to the rear lifting points with a clevis screw pin. Attach a 3-foot (4-loop), type XXVI sling to each of the rear slings with a 5 1/2-inch two-point link. Wrap the links with felt and tape.
- ② Attach a 11-foot (4-loop), type XXVI sling to each of the front lifting points with a clevis screw pin.
- ③ Position the truck on the platform so that the front of the truck is flush with the front edge of the platform.

*Figure 2-33. Lifting slings installed and truck positioned on the platform*

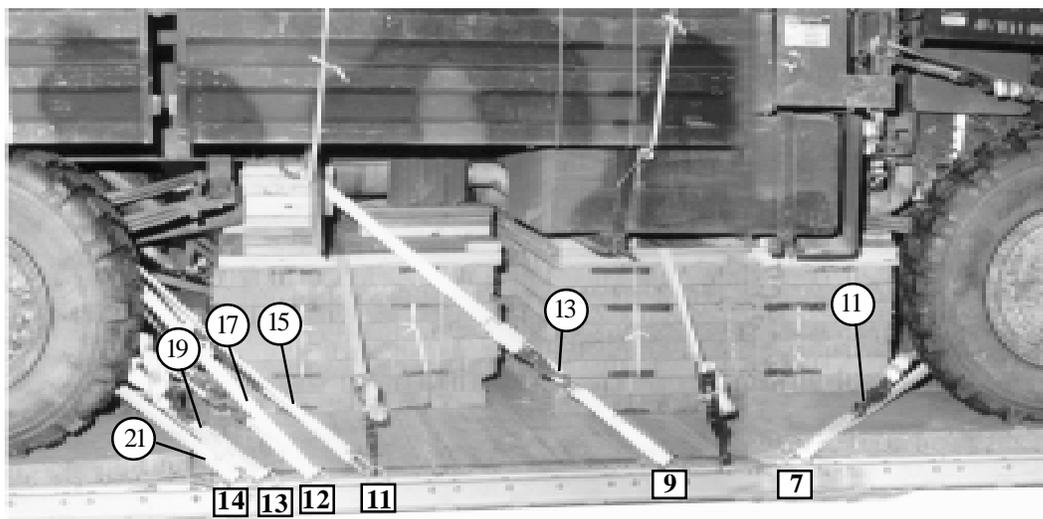
**2-25. Installing Lashings**

Lash the truck to the platform as shown in *Figure 2-34*.  
Install the lashings according to FM 10-500-2/TO 13C7-1-5.



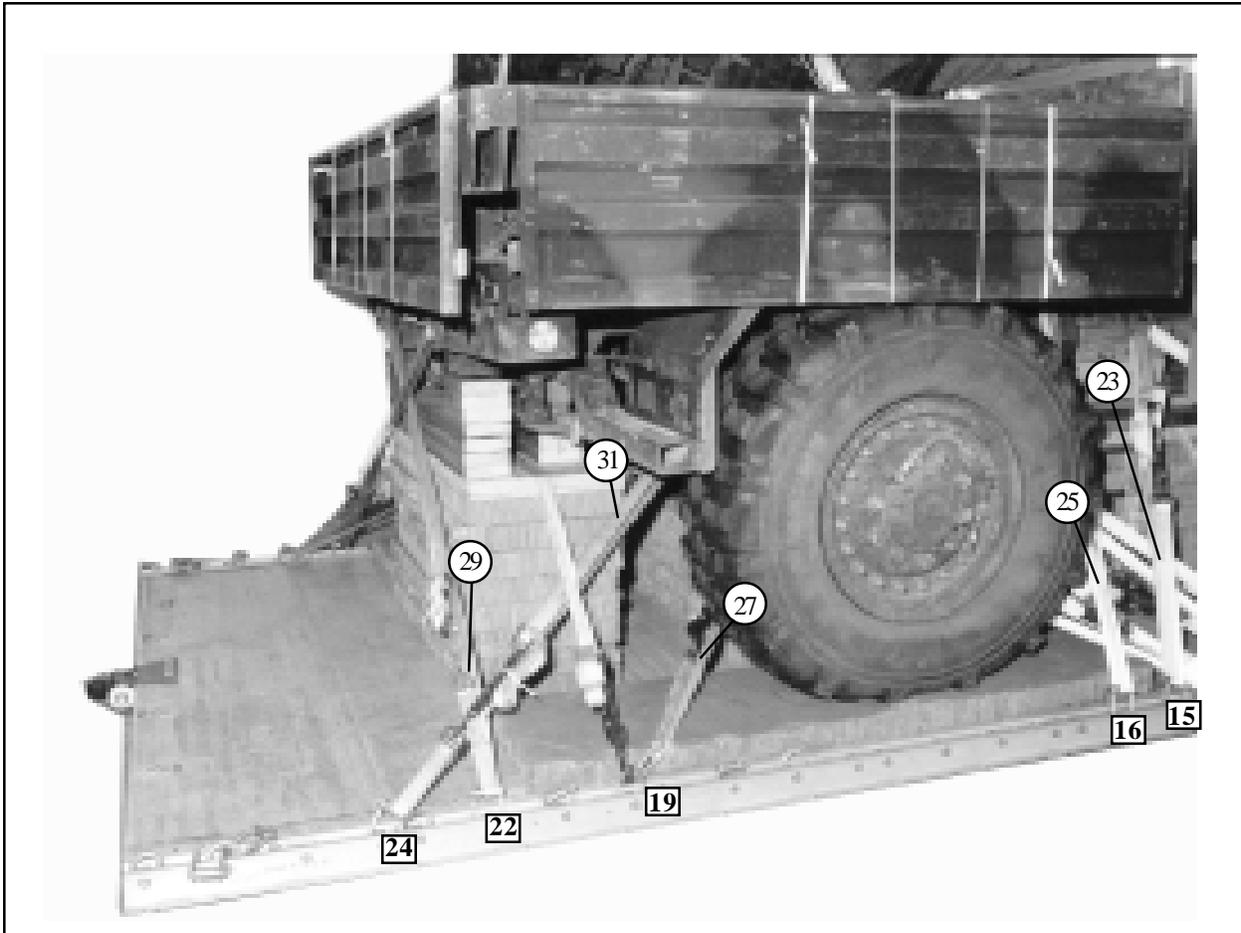
Lashing Number	Clevis Number	Instructions
1	1	Route a 15-foot lashing through the front shackle on the left side.
2	1a	Route a 15-foot lashing through the front shackle on the right side.
3	3	Route a 15-foot lashing around the front axle, right side.
4	3a	Route a 15-foot lashing around the front axle, left side.
5	4	Route a 15-foot lashing around the front axle, right side.
6	4a	Route a 15-foot lashing around the front axle, left side.
7	5	Route a 15-foot lashing through the front shackle on the right side.
8	5a	Route a 15-foot lashing through the front shackle on the left side.
9	6	Route a 15-foot lashing through the front shackle on the right side.
10	6a	Route a 15-foot lashing through the front shackle on the left side.

*Figure 2-34. Lashings installed*



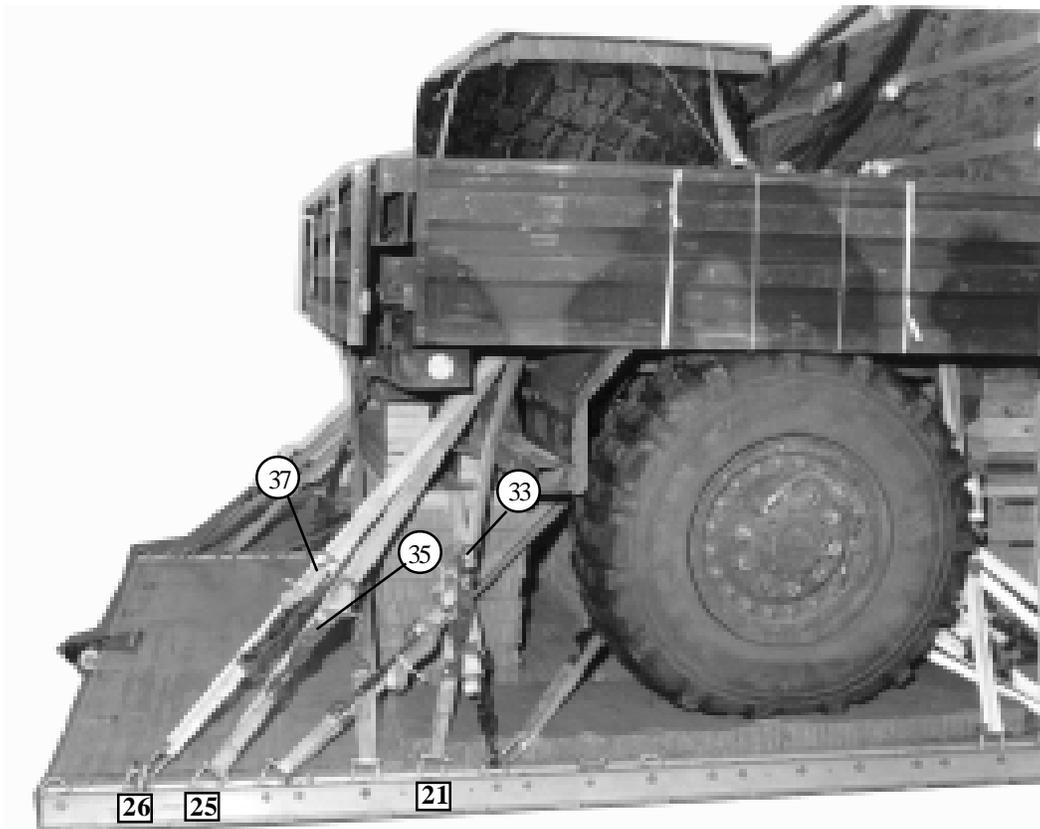
Lashing Number	Clevis Number	Instructions
11	7	Route a 15-foot lashing around the front axle, right side.
12	7a	Route a 15-foot lashing around the front axle, left side.
13	9	Route a 15-foot lashing through tiedown point #1 on the right side.
14	9a	Route a 15-foot lashing through tiedown point #1 on the left side.
15	11	Route a 15-foot lashing through tiedown point #3 on the right side.
16	11a	Route a 15-foot lashing through tiedown point #3 on the left side.
17	12	Route a 15-foot lashing through tiedown point #3 on the right side.
18	12a	Route a 15-foot lashing through tiedown point #3 on the left side.
19	13	Route a 15-foot lashing around the rear axle, right side.
20	13a	Route a 15-foot lashing around the rear axle, left side.
21	14	Route a 15-foot lashing around the rear axle, right side.
22	14a	Route a 15-foot lashing around the rear axle, left side.

Figure 2-34. Lashings installed (Continued)



Lashing Number	Clevis Number	Instructions
23	15	Route a 15-foot lashing through tiedown point #1 on the right side.
24	15a	Route a 15-foot lashing through tiedown point #1 on the left side.
25	16	Route a 15-foot lashing through tiedown point #2 on the right side.
26	16a	Route a 15-foot lashing through tiedown point #2 on the left side.
27	19	Route a 15-foot lashing around the rear axle on the right side.
28	19a	Route a 15-foot lashing around the rear axle on the left side.
29	22	Route a 15-foot lashing through the rear shackle on the left side.
30	22a	Route a 15-foot lashing through the rear shackle on the right side.
31	24	Route a 15-foot lashing around the rear stabilizer bar on the right side.
32	24a	Route a 15-foot lashing around the rear stabilizer bar on the left side.

Figure 2-34. Lashings installed (Continued)

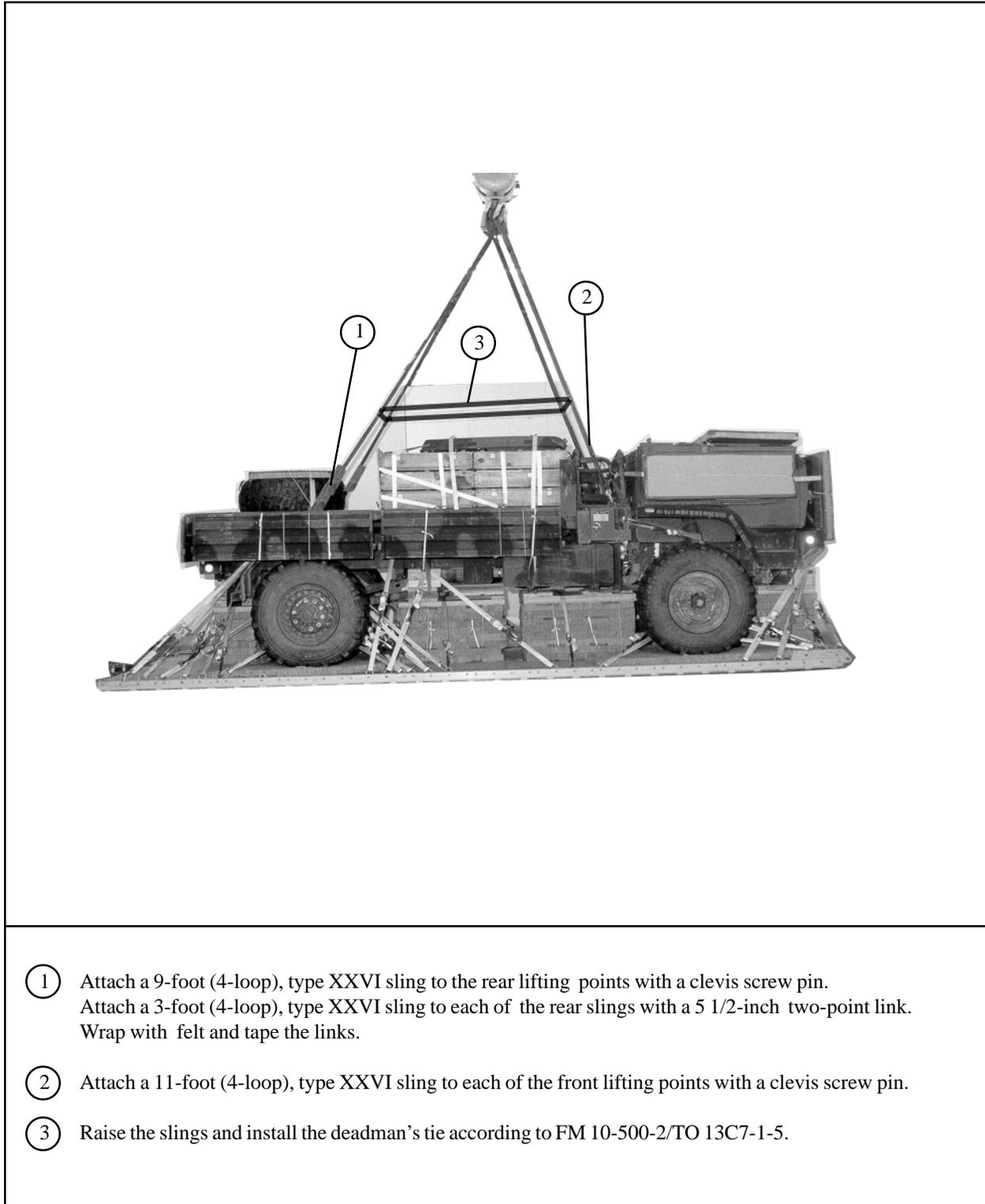


Lashing Number	Clevis Number	Instructions
33	21	Route a 15-foot lashing through tiedown point #4 on the right side.
34	21a	Route a 15-foot lashing through tiedown point #4 on the left side.
35	25	Route a 15-foot lashing through tiedown point #4 on the right side.
36	25a	Route a 15-foot lashing through tiedown point #4 on the left side.
37	26	Route a 15-foot lashing through tiedown point #4 on the right side.
38	26a	Route a 15-foot lashing through tiedown point #4 on the left side.

Figure 2-34. Lashings installed (Continued)

## 2-26. Installing and Safetying Suspension Slings

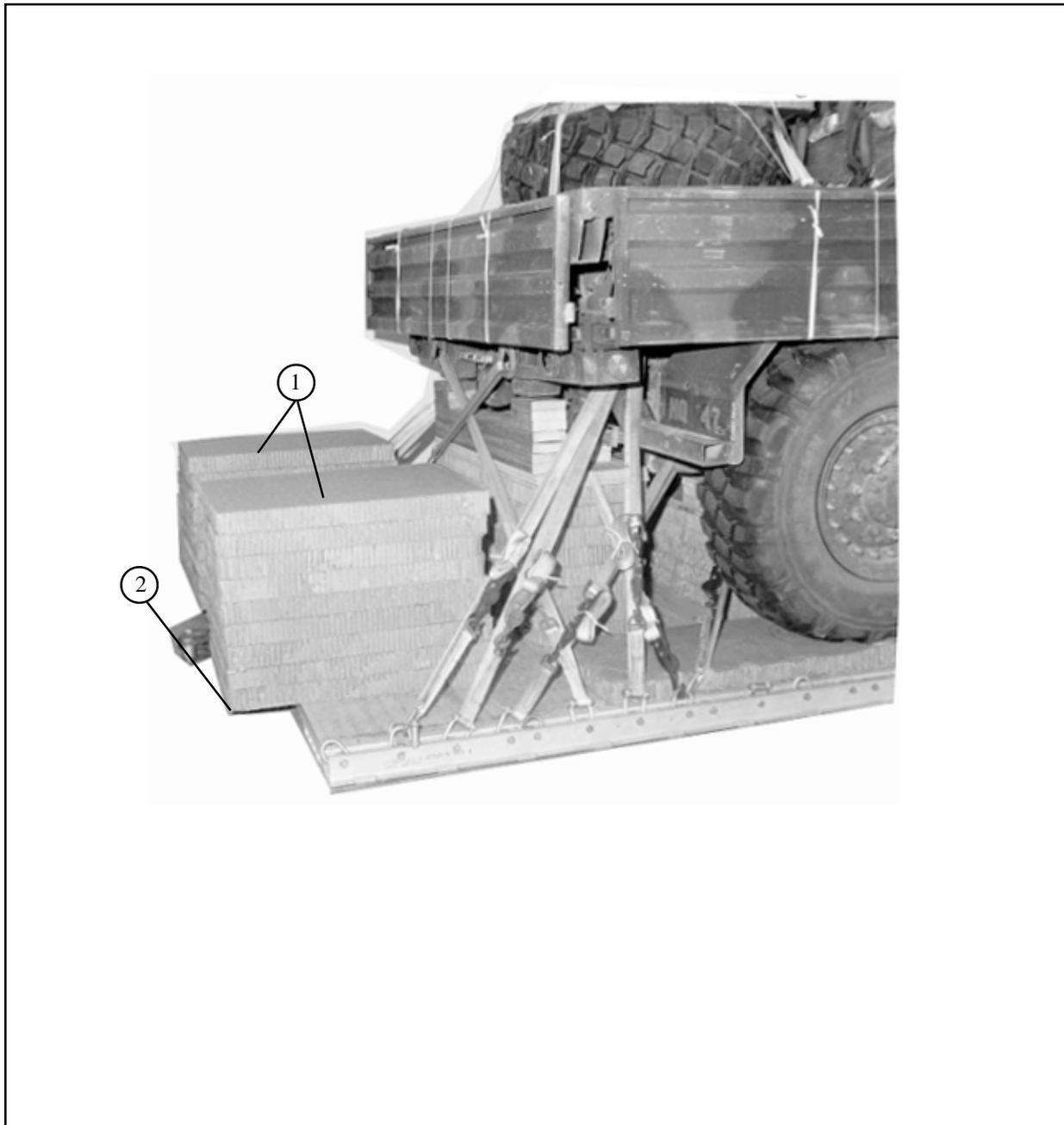
Install and safety two 9-foot (4-loop), two 3-foot (4-loop), type XXVI nylon slings and two 11-foot (4-loop), type XXVI nylon slings as shown in *Figure 2-35*.



*Figure 2-35. Suspension slings installed and safetied*

**2-27. Building and Positioning the Parachute Stowage Platform**

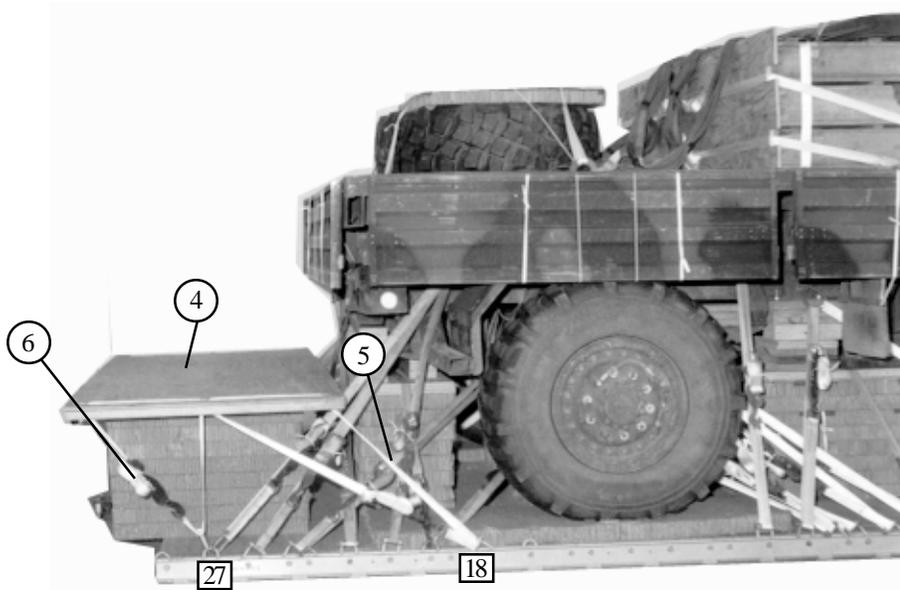
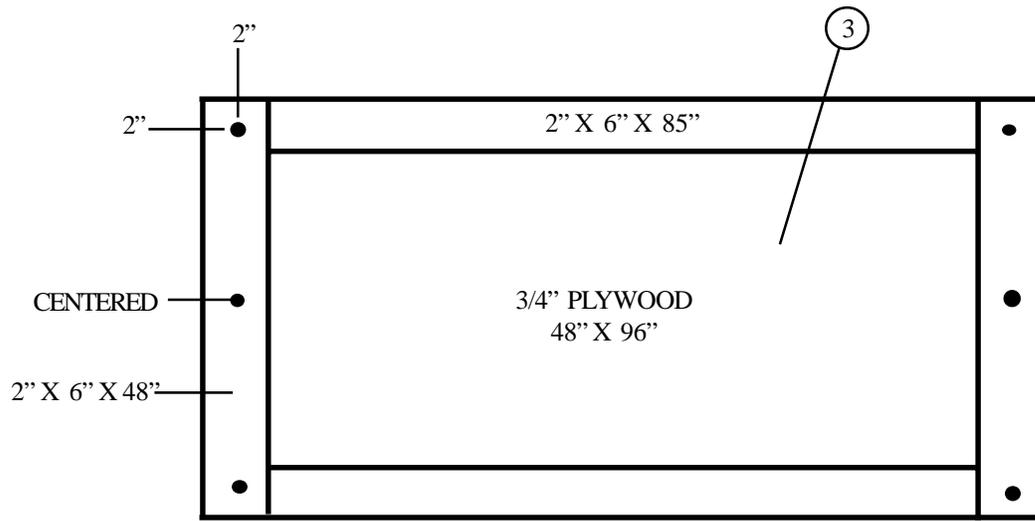
Build and position the parachute stowage platform as shown in *Figure 2-36*.



- ① Cut eighteen pieces of 24- by 36-inch honeycomb. Glue nine layers of honeycomb together forming a stack. Repeat forming the second stack.
- ② Position each stack 22-inches apart and with a 10-inch overhang. Cut a channel in the left stack so that the EFTC cable will route through it.

*Figure 2-36. Cargo stowage platform positioned*

Note: This drawing is not drawn to scale.

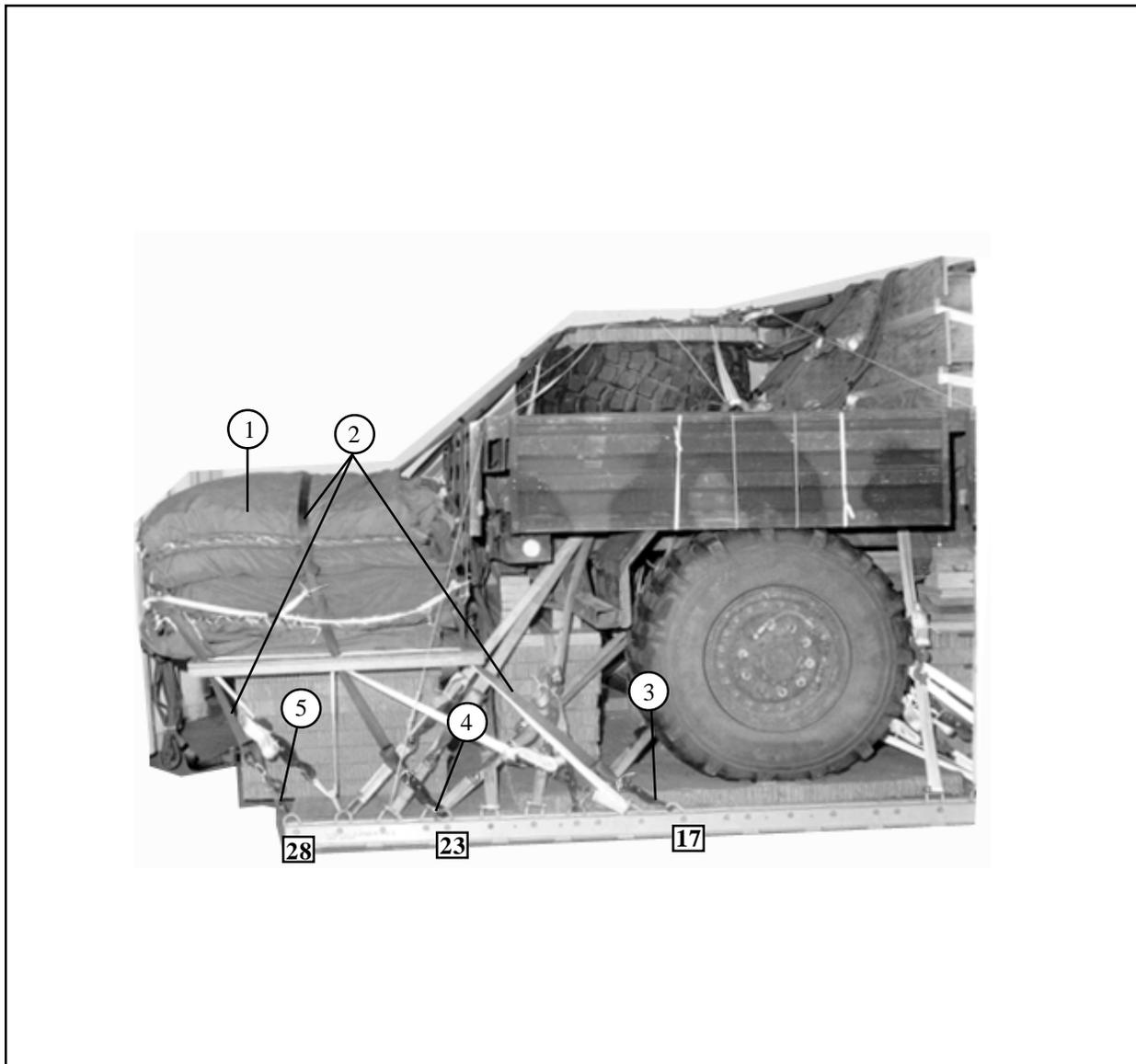


- ③ Construct a stowage platform as shown, using one sheet of 3/4-inch plywood.
- ④ Center the stowage platform on the honeycomb stacks and flush against the lashings.
- ⑤ Route a lashing through clevis 18, through the front right hole in the stowage platform, and through the center right hole. Secure with a loadbinder. Repeat using clevis 18A for the left side.
- ⑥ Route a lashing through clevis 27, through the center right hole in the stowage platform, and through the rear right hole. Secure with a loadbinder. Repeat using clevis 27A for the left side.

Figure 2-36. Cargo stowage platform positioned (Continued)

**2-28. Stowing Cargo Parachutes**

Stow six G-11 cargo parachutes as shown in *Figure 2-37*.

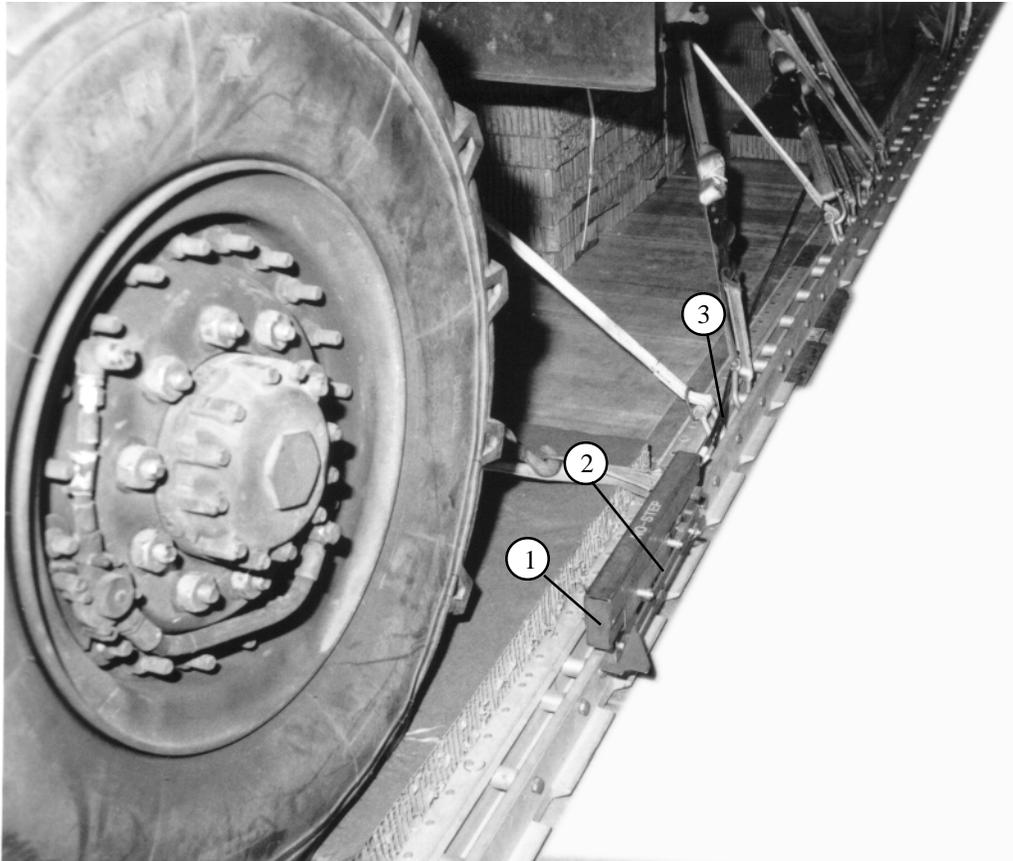


- ① Prepare, cluster and place six G-11 parachutes on the parachute stowage platform according to FM 10-500-2/TO 13C7-1-5.
- ② Install parachute restraints according to FM 10-500-2/TO 13C7-1-5.
- ③ Secure the aft restraint to clevis 17 right side. Repeat for the left side using clevis 17a.
- ④ Secure the center restraint to clevis 23 right side. Repeat for the left side using clevis 23a.
- ⑤ Secure the rear restraint to clevis 28 right side. Repeat for the left side using clevis 28a.

*Figure 2-37. Cargo parachutes stowed*

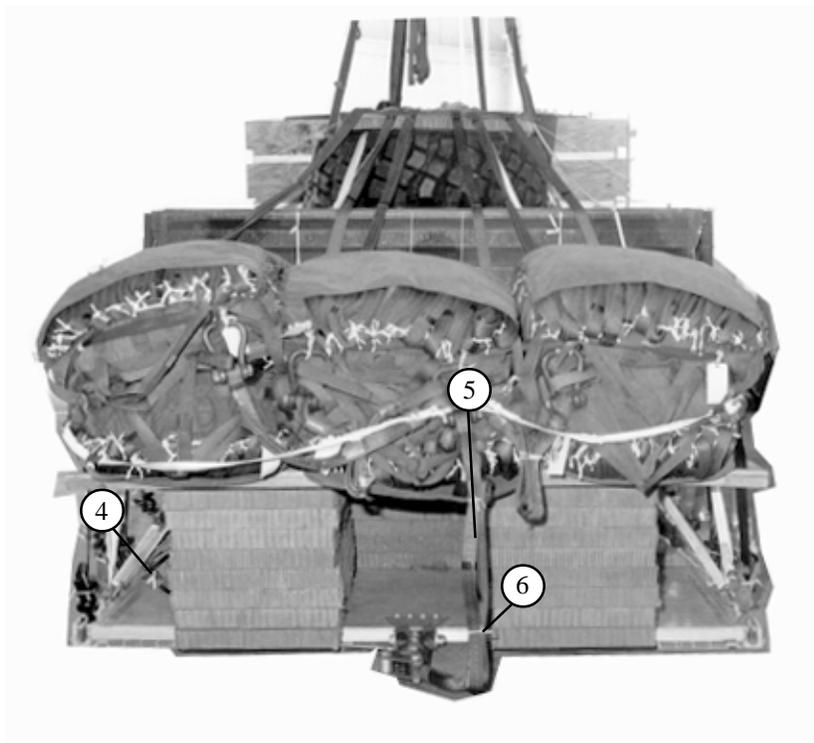
## 2-29. Installing Extraction System

Install the components of the extraction force transfer coupling (EFTC) according to FM 10-500-2/TO 13C7-1-5 and as shown in *Figure 2-38*.



- ① Install the EFTC according to FM 10-500-2/TO 13C7-1-5.
- ② Install the EFTC mounting brackets in the rear mounting holes in the left platform rail.
- ③ Attach a 20-foot release cable to the actuator. Install the actuator in the EFTC mounting bracket.

*Figure 2-38. Extraction system installed*

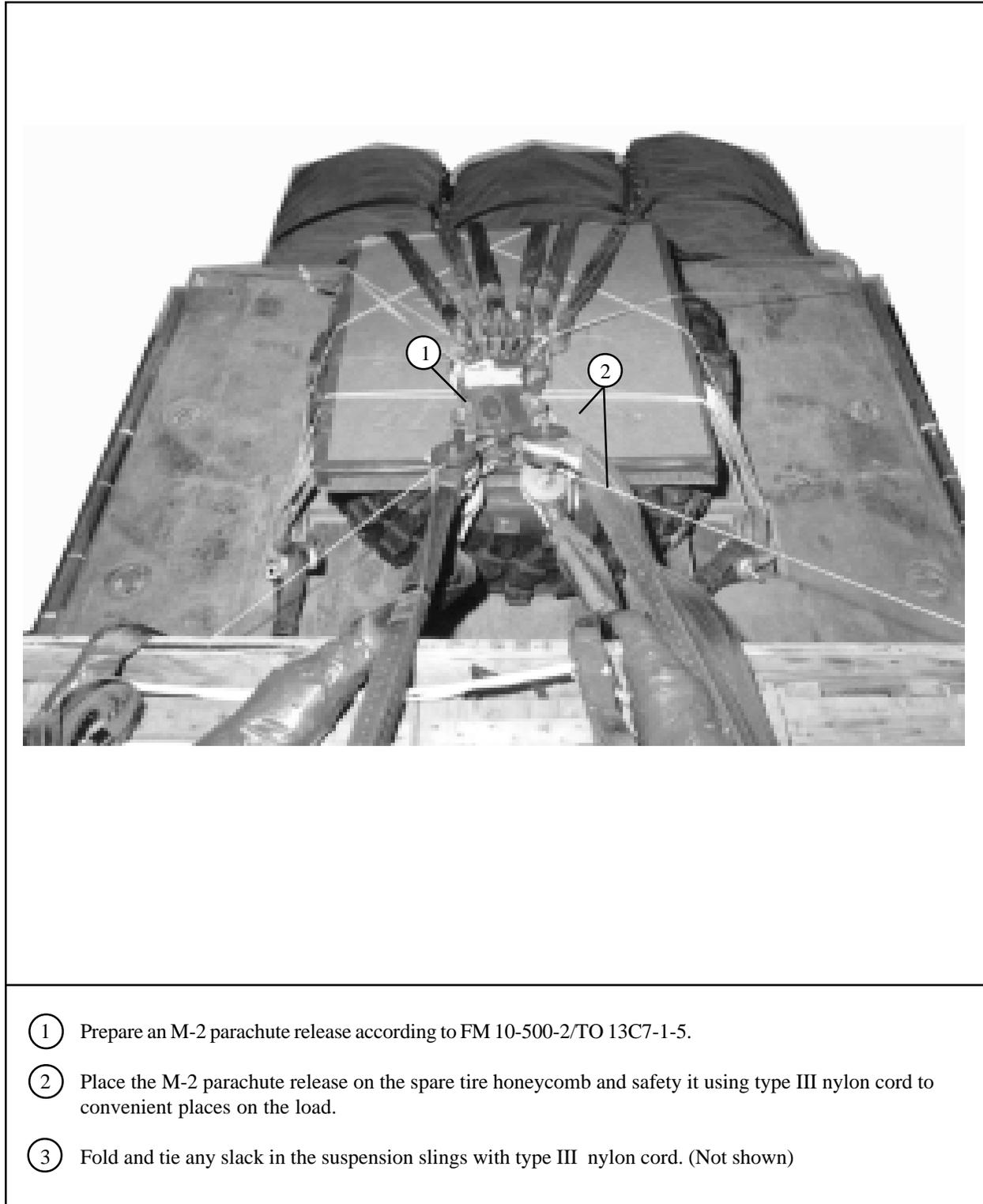


- ④ Safety the release cable with type I, 1/4-inch cotton webbing to the platform bushing or deck-rings.
- ⑤ Attach a 9-foot (2-loop), type XXXVI nylon sling, for use as a deployment line.
- ⑥ S-fold and secure the folds with type I, 1/4-inch cotton webbing according to FM 10-500-2/TO 13C7-1-5.

Figure 2-38. Extraction system installed (Continued)

### 2-30. Installing Release System

Install an M-2 cargo parachute release according to FM 10-500-2/TO 13C7-1-5 and as shown in *Figure 2-39*.



*Figure 2-39. Parachute release installed*

**2-31. Installing Provisions for Emergency Restraints**

Select and install provisions for emergency restraints according to the emergency restraint requirements table found in FM 10-500-2/TO 13C7-1-5.

**2-32. Placing Extraction Parachute**

Select the extraction parachute and extraction parachute line needed using the extraction parachute and extraction line requirements table found in FM 10-500-2/TO 13C7-1-5.

**2-33. Marking the Rigged Load**

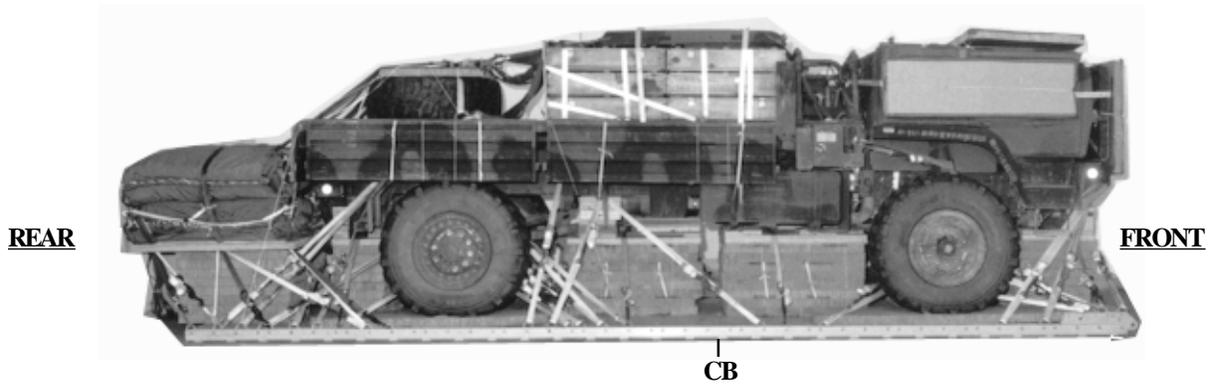
Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in *Figure 2-40*. Complete Shipper's Declaration for Dangerous Goods and affix to load. If the load varies from the one shown, the weight, height, CB, tip-off curve and parachute requirements must be recomputed.

**2-34. Equipment Required**

Use the equipment listed in *Table 2-4* to rig this load.

**CAUTION**

Make the final rigger inspection required by  
FM 10-500-2/TO 13C7-1-5 before the load leaves the rigging site.



**RIGGEDLOADDATA**

<b>Weight: Load shown</b>	<b>28,014 pounds</b>
<b>Minimum weight:</b>	<b>27,500 pounds</b>
<b>Maximum weight:</b>	<b>28,500 pounds</b>
<b>Height:</b>	<b>97 inches</b>
<b>Width:</b>	<b>108 inches</b>
<b>Length:</b>	<b>315 inches</b>
<b>Overhang: Front:</b>	<b>0 inches</b>
<b>Rear:</b>	<b>27 inches</b>
<b>Center of Balance: (from the front edge of the platform)</b>	<b>137 inches</b>
<b>Extraction System</b>	<b>EFTC</b>

*Figure 2-40. M1081, 2 1/2-ton cargo truck rigged for low-velocity airdrop*

Table 2-4. Equipment required for rigging the M1081, 2 1/2-ton cargo truck for low-velocity airdrop on a type V platform

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal	As required
N/A	Bolts, 1/2- by 10 inch, (nuts and washers)	4
1670-01-035-6054	Bridle, extraction line bag (Use with extraction line bag)	1
4030-00-432-2516	Clevis, screw pin	4
4030-00-090-5354	Clevis, suspension, 1-in (large)	8
4030-00-678-8562	Clevis, suspension, 1-in (medium)	2
4020-00-240-2164	Cord, nylon, type III, 550-lb	As required
1670-00-360-0328	Cover, clevis, large	6
1670-00-360-0329	Cover, link (type IV)	6
1670-00-434-5782	Coupling, airdrop, extraction force transfer w/20-ft cable	1
8135-00-664-6958	Cushioning material, packaging, (cellulose wadding)	As required
8305-00-958-3685	Felt, 1/2-in thick	As required
1670-01-183-2678	Leaf, extraction line	1
	Line, extraction, type XXVI nylon webbing:	
1670-01-062-6313	60-ft (6-loop), (C-130 aircraft)	1
5510-00-220-6148	60-ft (1-loop), drogue	1
1670-01-220-6248	120-ft (6-loop), (dual parachutes), (C-141, C-5 aircraft)	1
1670-01-468-9178	140-ft (6-loop), (C-17 aircraft)	1
	Truck preparation Lumber:	
5510-00-220-6146	2- by 4- by 6	2
5510-00-220-6148	2- by 6- by 6	1
	2- by 6- by 13	1
5510-00-220-6274	4- by 4- by 6	2
	4- by 4- by 15	2

Table 2-4. Equipment required for rigging the M1081, 2 1/2-ton cargo truck for low-velocity airdrop on type V platform (continued)

National Stock Number	Item	Quantity
1670-00-006-2752	Link assembly: Four-point:	1
	Two-point:	
5305-00-435-8994	Bolt, 1-in diam, 4-in long	(2)
5310-00-232-5165	Nut, 1-in	(2)
1670-00-003-1954	Plate, side, 5 1/2-in	(2)
5365-00-007-3414	Spacer, large	(2)
1670-00-783-5988	Type IV	6
1670-01-247-2389	Link, suspension tandem	2
	Load spreader for honeycomb stack 1:	
5510-00-220-6246	Lumber:	
	2- by 8- by 12-in	4
	2- by 8- by 43-in	3
5510-00-220-6448	Plywood 3/4-in:	
	7- by 14-in	4
	7 1/2- by 12-in	4
	24- by 43	3

Table 2-4. Equipment required for rigging the M1081, 2 1/2-ton cargo truck for low-velocity airdrop on a type V platform (continued)

National Stock Number	Item	Quantity
	Load spreader for honeycomb stack 2:	
5510-00-220-6148	Lumber, 2- by 6- by 18-in	2
5530-00-128-4981	Plywood, 3/4-in:	
	5 1/2- by 18-in	2
	18- by 48-in	2
	Load spreader for honeycomb stack 3:	
5510-00-220-6246	Lumber, 2- by 8- by 26 1/2-in	2
5530-00-129-7777	Plywood, 1/2-in:	
	7 1/2- by 26 1/2-in	1
5510-00-128-4981	Plywood, 3/4-in:	
	6- by 8-in	1
	7 1/2- by 8-in	2
	8- by 16-in	1
	10- by 10-in	1
	12- by 14-in	4
	46- by 48-in	4
	Load spreader for honeycomb stack 4:	
	Lumber:	
5510-00-220-6148	2- by 6- by 21-in	6
	2- by 6- by 48-in	1
5510-00-220-6250	2- by 12- by 12-in	4
	2- by 12- by 34- in	2
5510-00-220-6448	Plywood 3/4-in:	
	11 1/2- by 12-in	4
	44- by 48-in	3

Table 2-4. Equipment required for rigging the M1081, 2 1/2-ton cargo truck for low-velocity on type V airdrop platform (continued)

National Stock Number	Item	Quantity
	Load spreader for honeycomb stack 5:	
5510-00-220-6148	Lumber, 2- by 6- by 18-in	2
5530-00-128-4981	Plywood, 3/4-in:	
	5 1/2- by 18-in	6
	18- by 60-in	2
	Load spreader for honeycomb stack 6:	
	Lumber:	
5510-00-220-6148	2- by 6- by 8-in	6
	2- by 6- by 33-in	3
	2- by 6- by 45-in	4
5530-00-128-4981	Plywood, 3/4-in:	
	18- by 48-in	3
	Nail, steel wire, common:	
5315-00-010-4659	8d	As required
5315-00-753-3885	16d	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	40 sheets
	4- by 6-in	1
	12- by 30-in	1
	12- by 31-in	12
	18- by 44-in	24
	18- by 48-in	13
	18- by 60-in	2
	24- by 34-in	4
	36- by 44-in	4
	36- by 80-in	1
	36- by 96-in	10
	43- by 20-in	5
	74- by 18-in	2
	43- by 30-in	2
	96- by 18-in	2

Table 2-4. Equipment required for rigging the M1081, 2 1/2-ton cargo truck for low-velocity airdrop on a type V platform (continued)

National Stock Number	Item	Quantity
1670-01-016-7841	Parachute, cargo: G-11C	6
1670-00-040-8135	Parachute, cargo extraction: 28-ft	2
1670-01-063-3715	15-ft	1
1670-01-353-8425	Platform, AD, type V, 24-ft Bracket assembly comp	1 (1)
1670-01-162-2372	Clevis, load tiedown	(56)
1670-01-353-8424	Extraction bracket assembly	(1)
1670-01-162-2381	Tandem link	(2)
1670-01-097-8817	Release, cargo parachute, M-2	1
1670-01-062-6304	Sling, cargo, airdrop: For deployment line: 9-ft (2-loop), type XXVI nylon webbing	1
1670-01-062-6306	For lifting and suspension: 3-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6305	9-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6310	11-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6311	For riser extention: 120-ft (2-loop), type XXVI nylon webbing	6

Table 2-4. Equipment required for rigging the M1081, 2 1/2-ton cargo truck for low-velocity airdrop on a type V platform (continued)

National Stock Number	Item	Quantity
5340-00-040-8219	Strap, parachute release, multi-cut with 3 knives	2
7510-00-266-5012	Tape, adhesive, 2-in (masking)	As required
7510-00-079-7906	Tape, adhesive, 2-in (pressure sensitive)	As required
1670-00-937-0271	Tiedown assembly, 15-ft	73
	Webbing:	
8305-00-268-2411	Cotton, 80-lb	As required
8305-00-082-5752	Nylon, tubular, 1/2-in, 1,000-lb natural	As required
8305-00-263-3591	Type VIII	As required