

CHAPTER 4

**RIGGING THE 6,000-POUND CAPACITY
FORKLIFT TRUCK ON A TYPE V PLATFORM**

Section I

LOW-VELOCITY AIRDROP

4-1. Description of Load

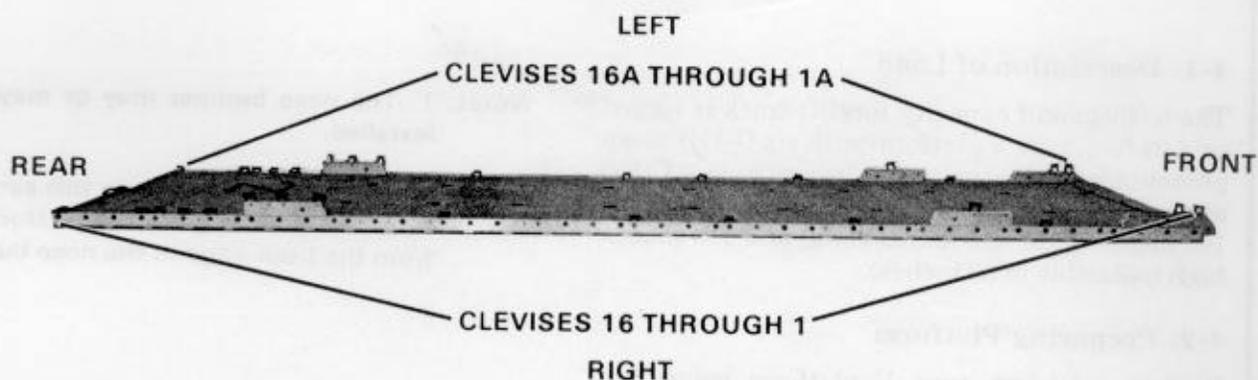
The 6,000-pound capacity forklift truck is rigged on a 24-foot, type V platform with six G-11^B cargo parachutes for low-velocity airdrop from a C-130 aircraft. The forklift weighs 23,000 pounds. It is 102 inches wide, 228 inches long, and 124 inches high (reducible to 89 inches).

MSG JAN 95
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.

4-2. Preparing Platform

Prepare a 24-foot, type V platform using two tandem links, four suspension links, and 32 clevis assemblies as shown in Figure 4-1.



Step:

1. Inspect, or assemble and inspect, the platform as outlined in TM 10-1670-268-20&P/ TO 13C7-52-22.
2. Install a suspension link to the front of each platform side rail using holes 9, 10, and 11.
3. Install a suspension link to the rear of each platform side rail using holes 38, 39, and 40.
4. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
5. Install clevises on bushings 1 and 2 of each front tandem link.
6. Install a clevis on bushing 3 of each front suspension link.
7. Install clevises on bushings 1, 2, and 4 of each rear suspension link.
8. Starting at the front of each platform side rail, install clevises to bushings bolted on holes 7, 15, 20, 24, 32, 42, 43, 44, 45, and 48.
9. Starting at the front of each platform side rail, number the clevises bolted on the right side from 1 through 16 and those bolted on the left side from 1A through 16A.

Figure 4-1. Platform prepared

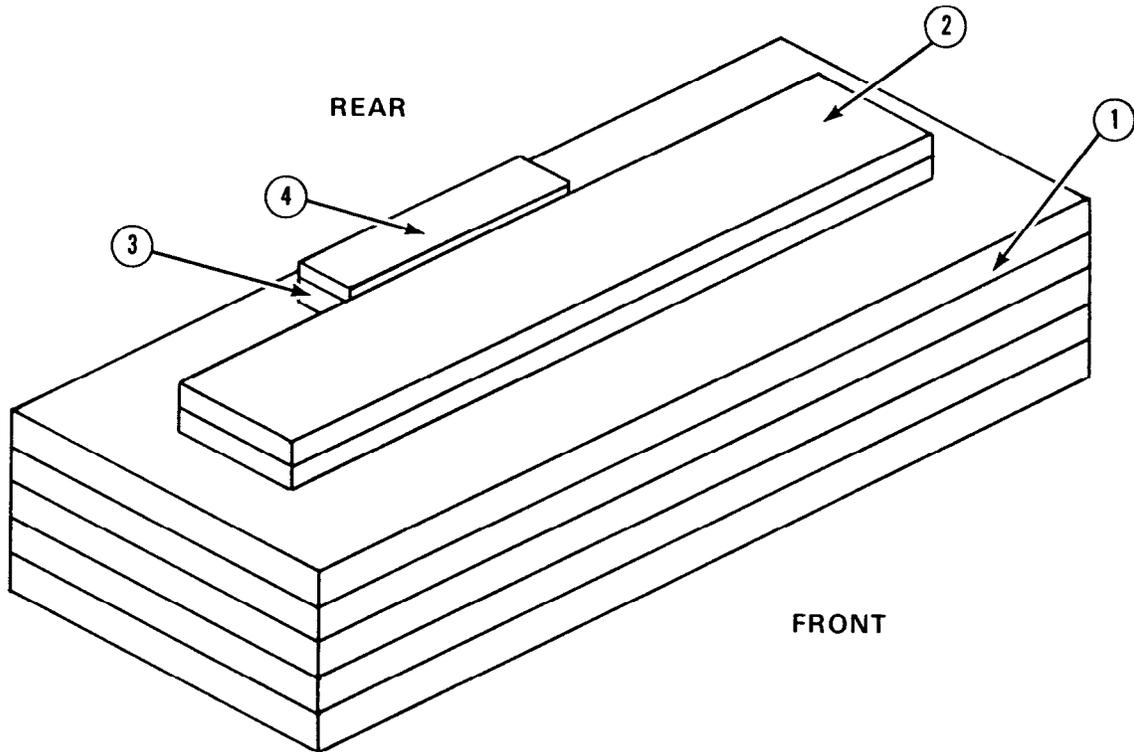
4-3. Preparing and Positioning Honeycomb Stacks

Use the materials in Table 4-1 to prepare nine honeycomb stacks as shown in Figures 4-2 through 4-7. Position the stacks on the platform according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 4-8.

Table 4-1. Materials required to build honeycomb stacks

Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1	5	36	86	Honeycomb	See Figure 4-2.
	2	12	72	2- by 12- inch lumber	
	1	6	30	2- by 6- inch lumber	
	1	6	30	3/4-inch plywood	
2	7	30	65	Honeycomb	See Figure 4-3.
	2	20	30	Honeycomb	
	4	20	30	3/4-inch plywood	
3	7	36	65	Honeycomb	See Figure 4-4.
4	6	36	65	Honeycomb	See Figure 4-5.
	4	12	18	Honeycomb	
	4	12	18	3/4-inch plywood	
5	8	36	65	Honeycomb	See Figure 4-6.
6	2	18	36	Honeycomb	See Figure 4-7.
7	2	18	36	Honeycomb	See Figure 4-7.
8	2	18	36	Honeycomb	See Figure 4-7.
9	2	18	36	Honeycomb	See Figure 4-7.

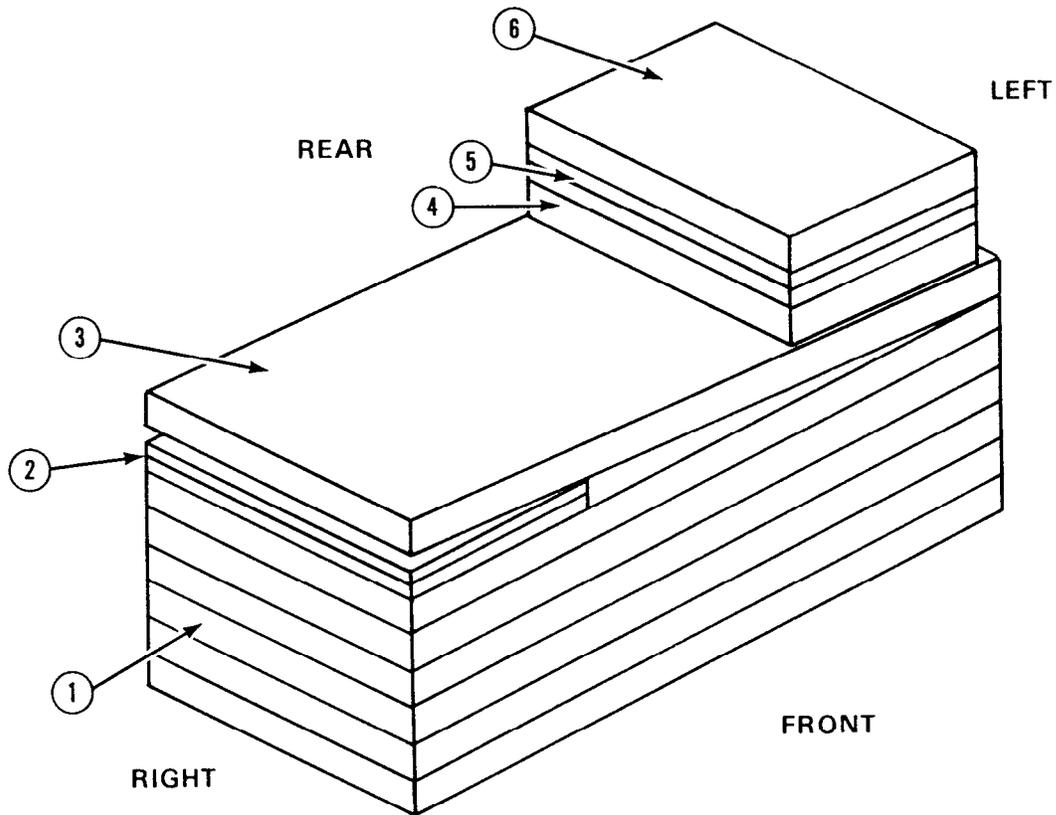
Note: This drawing is not drawn to scale.



- ① Place five 36- by 86-inch pieces of honeycomb as the base.
- ② Center two 2- by 12- by 72-inch pieces of lumber together, 10 inches from the front of the base.
- ③ Center a 2- by 6- by 30-inch piece of lumber 2 inches from the 2- by 12- by 72-inch pieces of lumber.
- ④ Place a 3/4- by 6- by 30-inch piece of plywood on top of the 2- by 6- by 30-inch piece of lumber.

Figure 4-2. Honeycomb stack 1 prepared

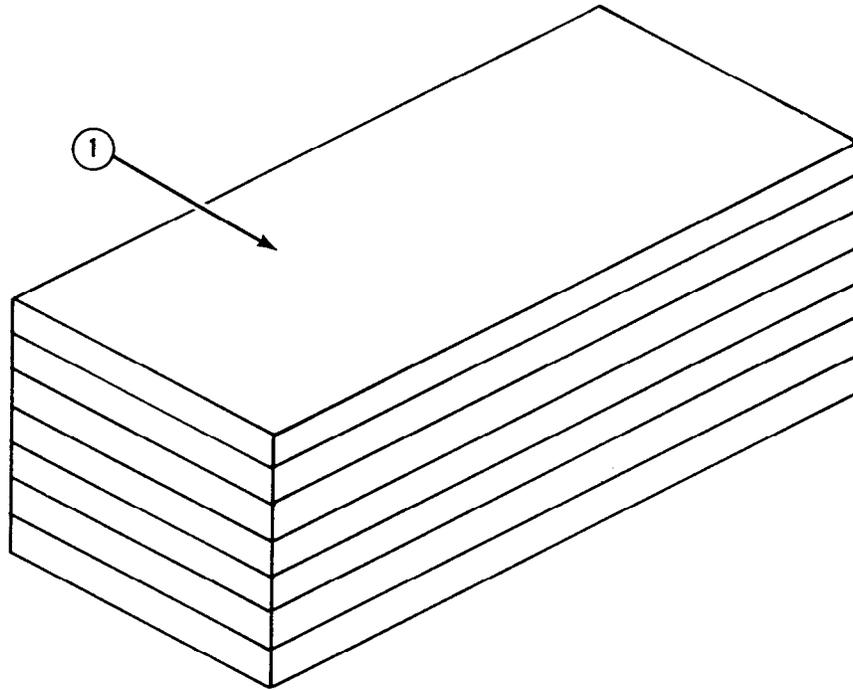
Note: This drawing is not drawn to scale.



- ① Place six 30- by 65-inch pieces of honeycomb as the base.
- ② Place two 3/4- by 20- by 30-inch pieces of plywood flush with the right edge of the base.
- ③ Place a 30- by 65-inch piece of honeycomb on top of the plywood and base.
- ④ Place a 20- by 30-inch piece of honeycomb 3 inches from the left edge of the stack.
- ⑤ Place two 3/4- by 20- by 30-inch pieces of plywood on top of the 20- by 30-inch piece of honeycomb.
- ⑥ Place a 20- by 30-inch piece of honeycomb on top of the 3/4- by 20- by 30-inch piece of plywood.

Figure 4-3. Honeycomb stack 2 prepared

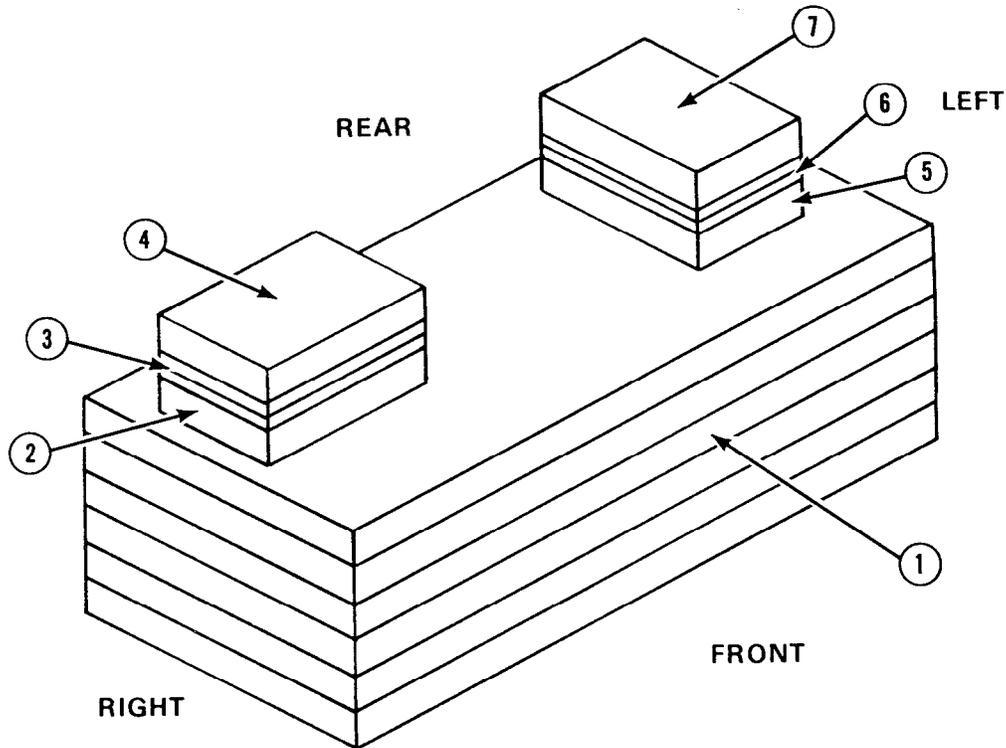
Note: This drawing is not drawn to scale.



① Place seven 36- by 65-inch pieces of honeycomb to form the stack.

Figure 4-4. Honeycomb stack 3 prepared

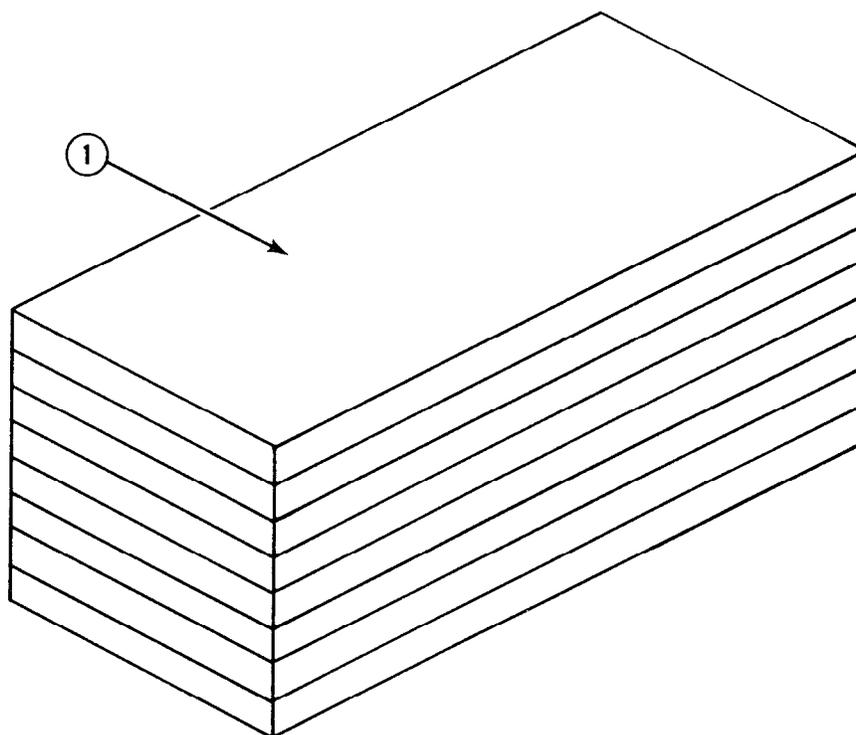
Note: This drawing is not drawn to scale.



- ① Place six 36- by 65-inch pieces of honeycomb as the base.
- ② Place an 18- by 12-inch piece of honeycomb 3 inches from the right edge of the base and 8 inches from the rear edge of the base.
- ③ Place two 3/4- by 18- by 12-inch pieces of plywood on top of the 18- by 12-inch piece of honeycomb.
- ④ Place an 18- by 12-inch piece of honeycomb on top of the 3/4- by 18- by 12-inch pieces of plywood.
- ⑤ Place a 12- by 18-inch piece of honeycomb 5 inches from the left edge of the base and 4 inches from the rear edge of the base.
- ⑥ Place two 3/4- by 12- by 18-inch pieces of plywood on top of the 12- by 18-inch piece of honeycomb.
- ⑦ Place a 12- by 18-inch piece of honeycomb on top of the 3/4- by 12- by 18-inch pieces of plywood.

Figure 4-5. Honeycomb stack 4 prepared

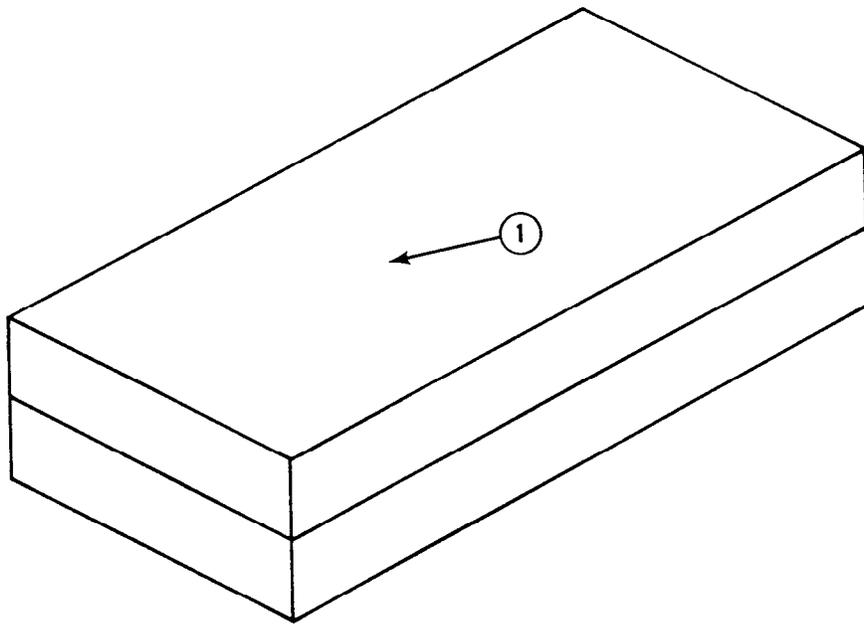
Note: This drawing is not drawn to scale.



① Place eight 36- by 65-inch pieces of honeycomb to form the stack.

Figure 4-6. Honeycomb stack 5 prepared

Note: This drawing is not drawn to scale.



① Place two 18- by 36-inch pieces of honeycomb to form the stack.

Figure 4-7. Honeycomb stacks 6, 7, 8, and 9 prepared

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

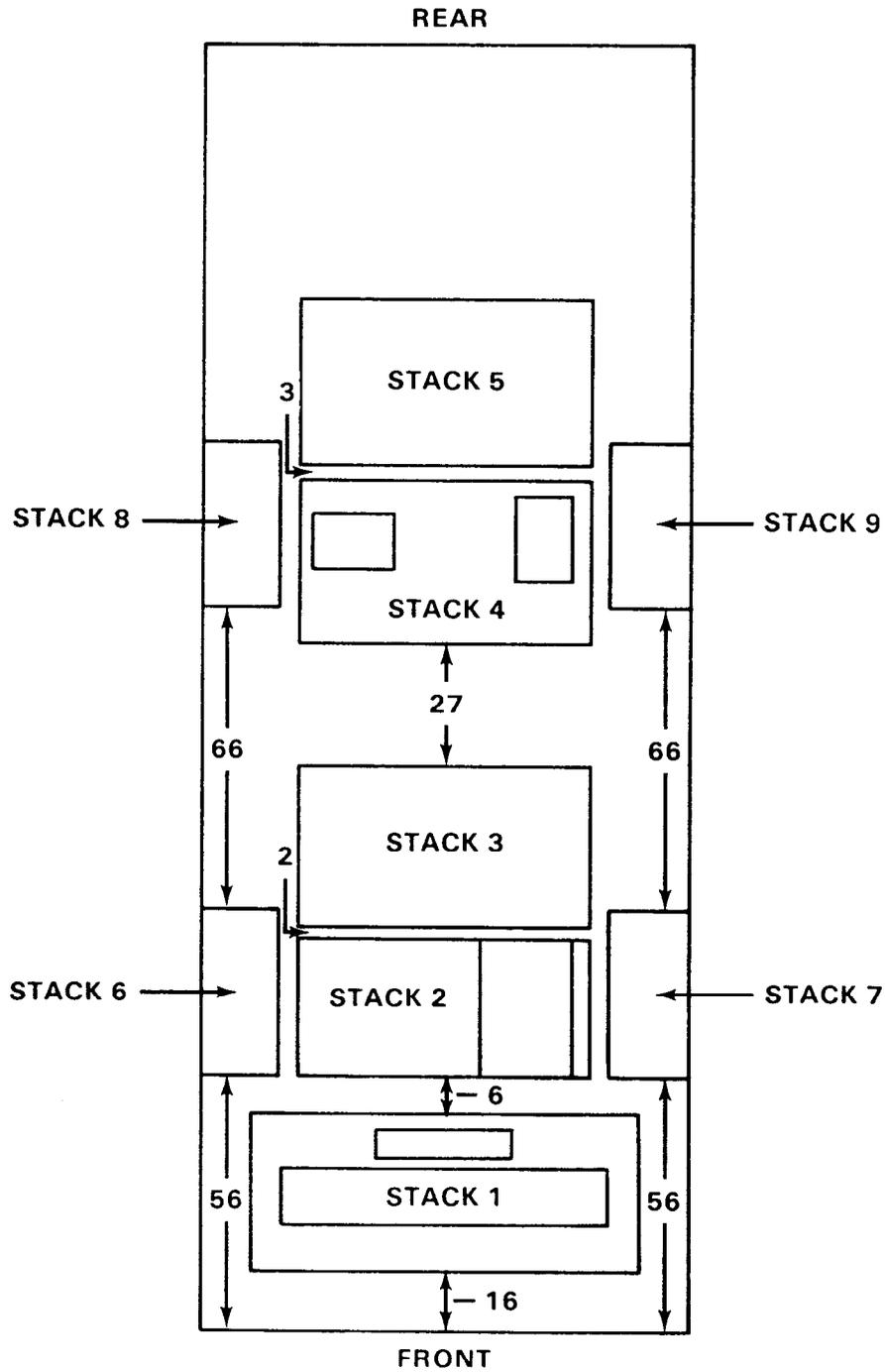
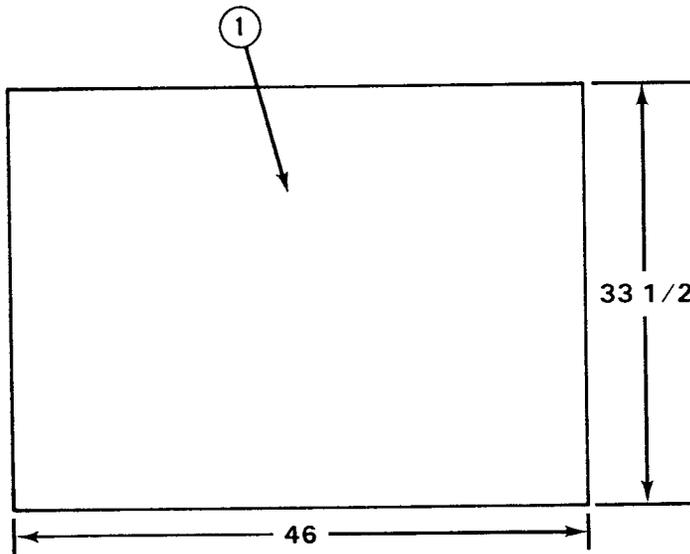


Figure 4-8. Honeycomb stacks positioned on platform

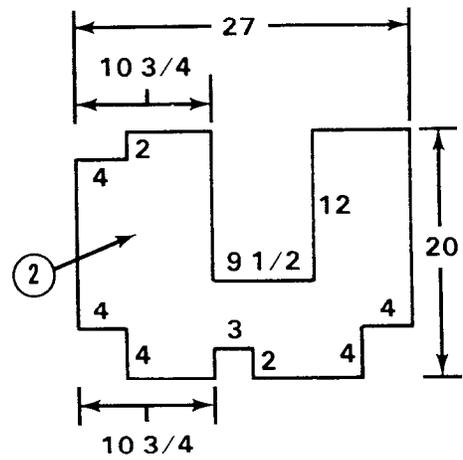
**4-4. Building and Positioning
Frame Supports**

a. Build the front frame support as shown in Figures 4-9 and 4-10. Build the rear frame support as shown in Figures 4-11 and 4-12.

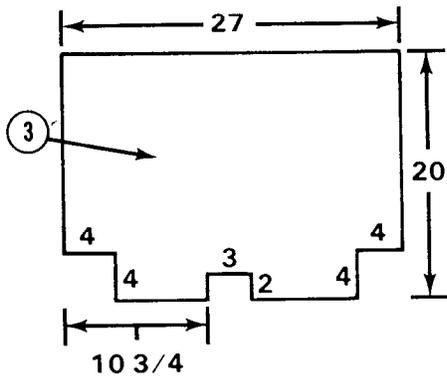
**Notes: 1. These drawings are not drawn to scale.
2. All measurements are given in inches.**



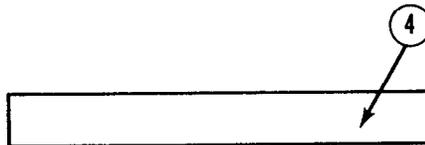
PLYWOOD
(3 each) 3/4- X 33 1/2- X 46-INCH



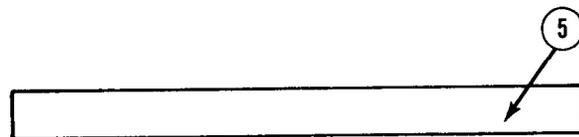
PLYWOOD
(3 each) 3/4- X 20- X 27-INCH



PLYWOOD
(3 each) 3/4- X 20- X 27-INCH



LUMBER
(1 each) 4- X 4- X 34-INCH



LUMBER
(1 each) 4- X 4- X 46-INCH

Figure 4-9. Pieces for front frame support

- Notes: 1. This drawing is not drawn to scale.
2. Use 6d and 16d nails.

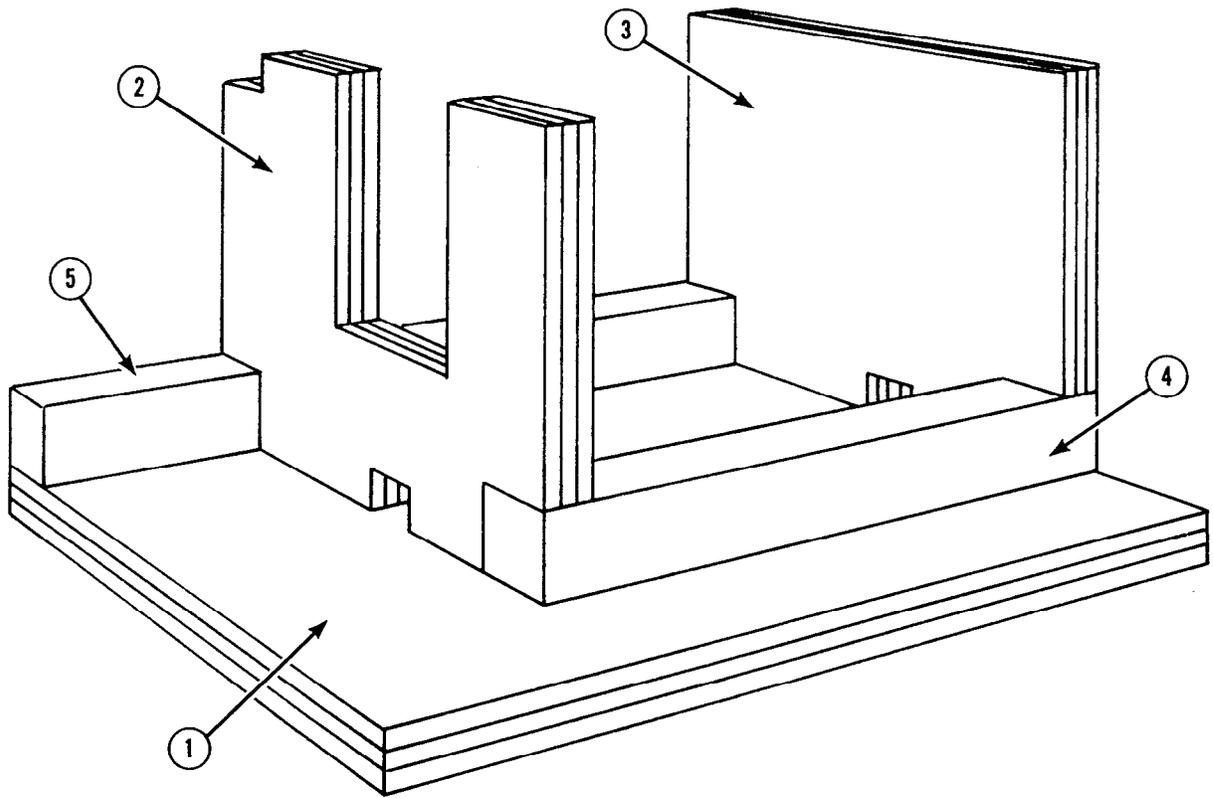
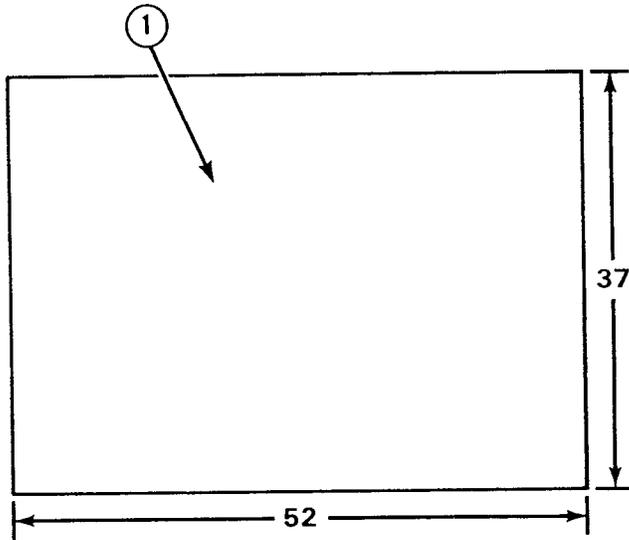
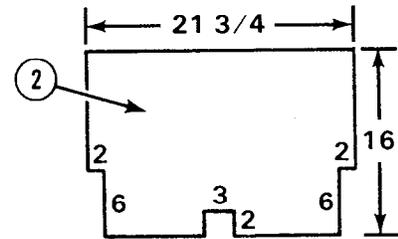


Figure 4-10. Front frame support built

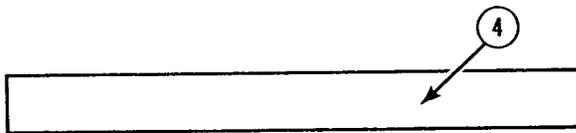
- Notes: 1. These drawings are not drawn to scale.
 2. All measurements are given in inches.



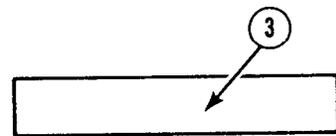
PLYWOOD
 (2 each) 3/4- X 37- X 52-INCH



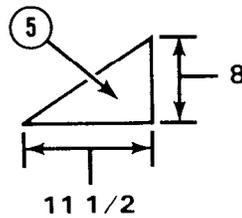
PLYWOOD
 (6 each) 3/4- X 16- X 21 3/4-INCH



LUMBER
 (2 each) 2- X 6- X 52-INCH



LUMBER
 (2 each) 2- X 6- X 29 1/2-INCH



LUMBER
 (8 each) 2- X 8- X 11 1/2-INCH

Figure 4-11. Pieces for rear frame support

- Notes: 1. This drawing is not drawn to scale.
2. Use 6d and 16d nails.
3. All measurements are given in inches.

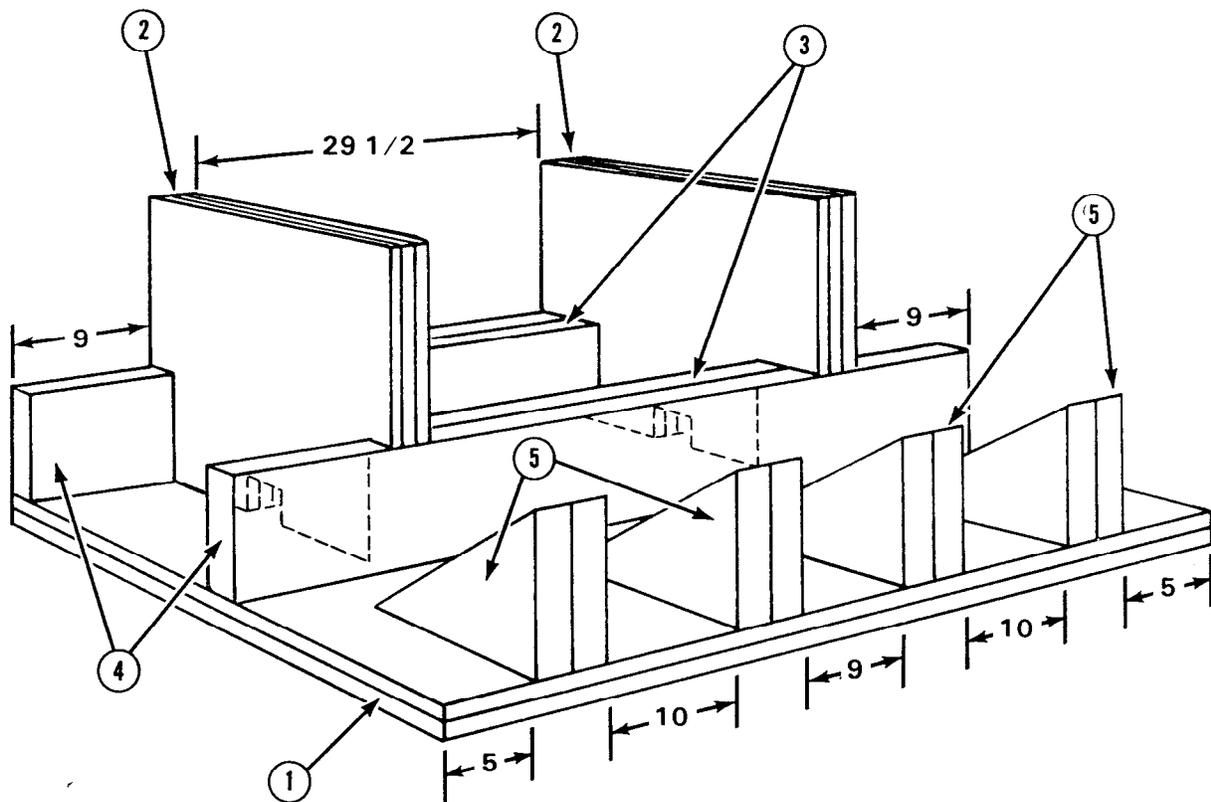
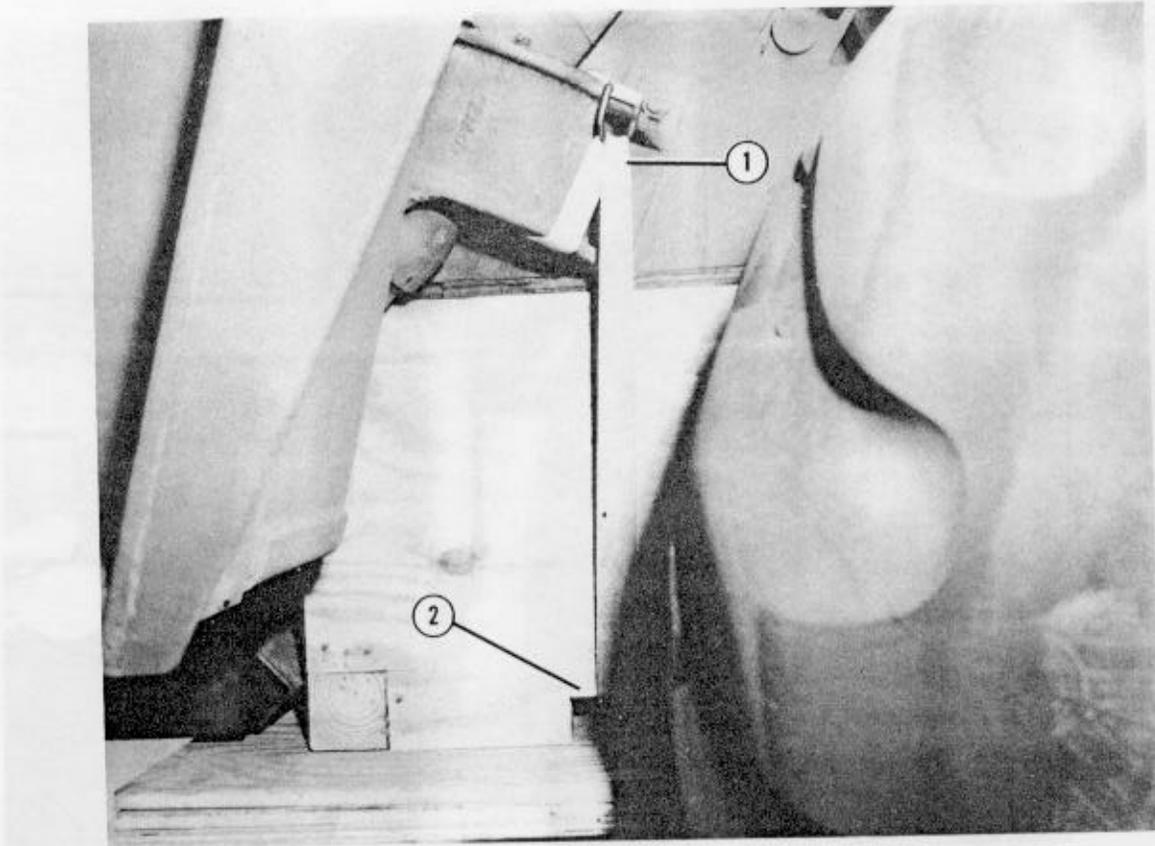


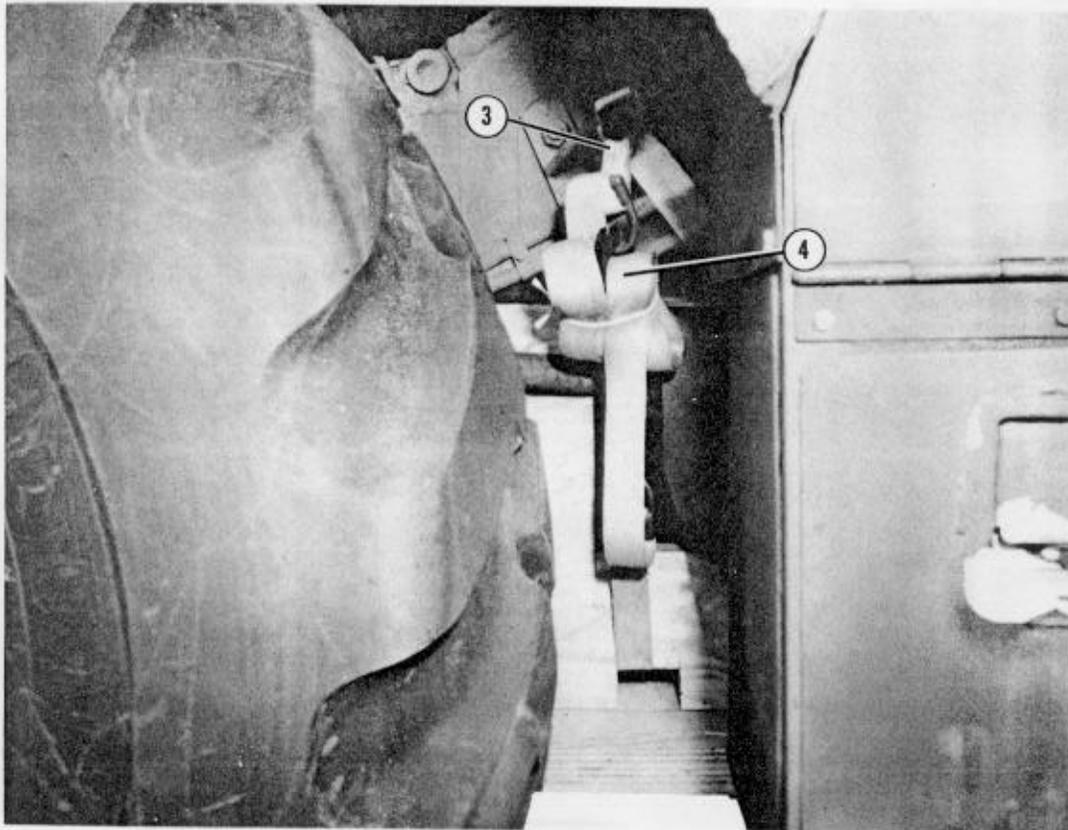
Figure 4-12. Rear frame support built

b. Turn the front wheels to the left. Extend the forks to lift the front wheels about 2 inches. Slide the front frame support into position from the right side. Secure the support in place as shown in Figure 4-13.



- ① Pass a 15-foot lashing around the right cylinder guard and through its own D-ring.
- ② Pass the 15-foot lashing through the cutouts of the front frame support, from right to left.

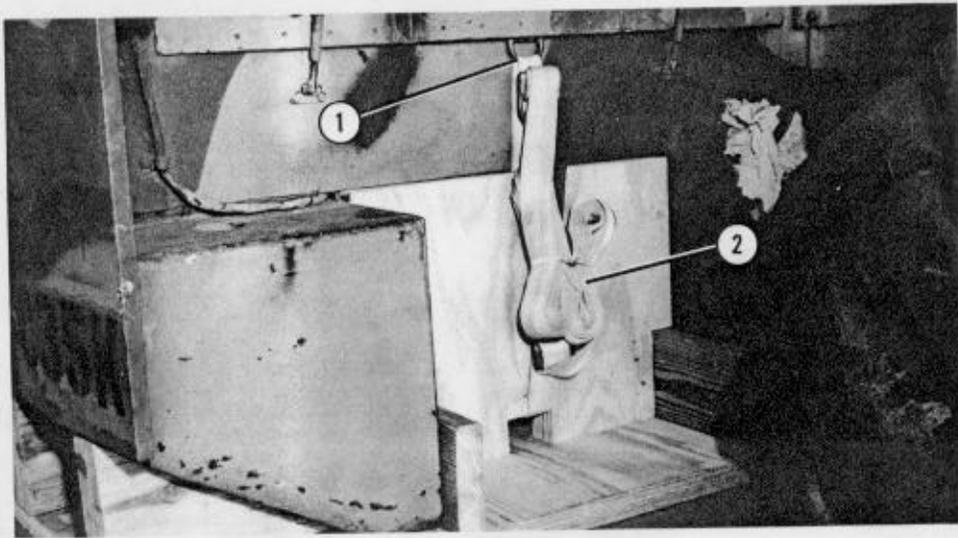
Figure 4-13. Front frame support installed



- ③ Pass a 15-foot lashing around the left cylinder guard and through its own D-ring.
- ④ Secure the two lashings with two D-rings and a load binder.

Figure 4-13. Front frame support installed (continued)

c. Place the rear frame support under the forklift with the rear of the frame support flush with the rear of the forklift. Secure the rear frame support as shown in Figure 4-14.



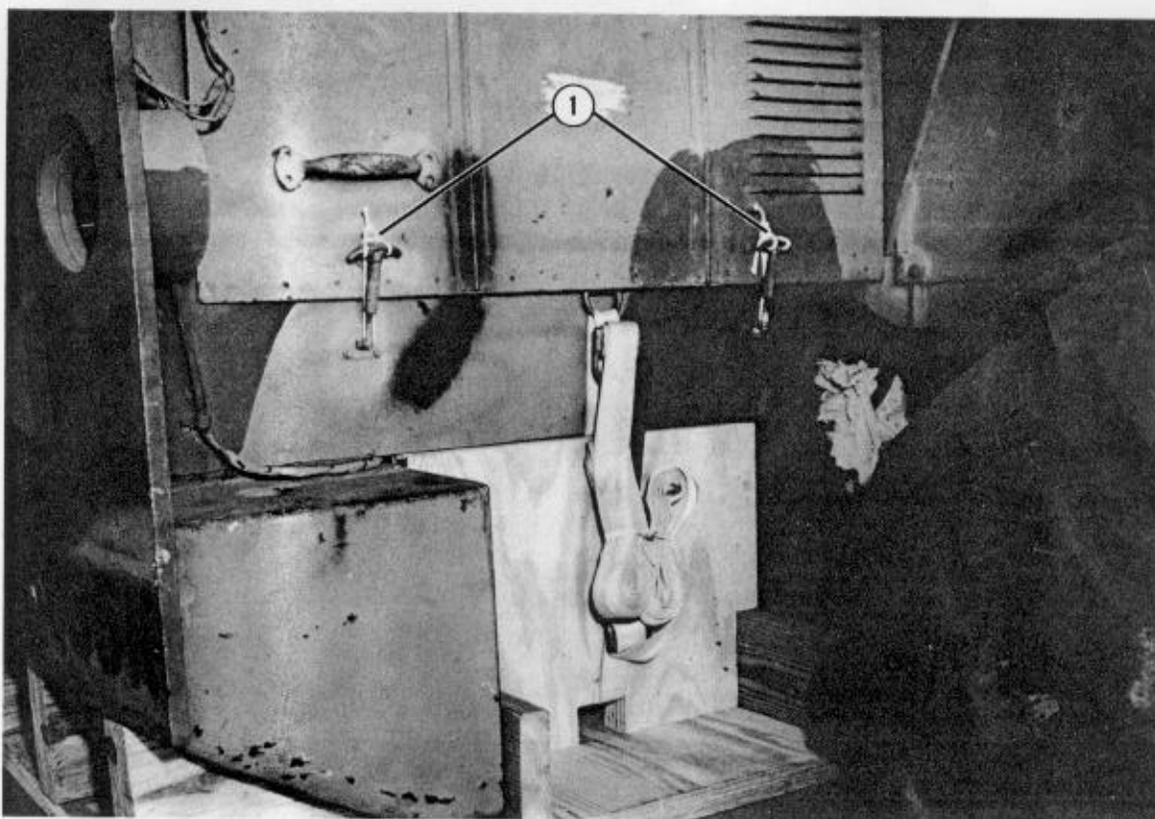
- ① Pass a 15-foot lashing around the mainframe and through its own D-ring on both sides of the forklift.
- ② Pass the free end of the 15-foot lashing on the left mainframe through the slots in the frame support and attach the lashings with two D-rings and a load binder.

Figure 4-14. Rear frame support installed

4-5. Preparing Forklift

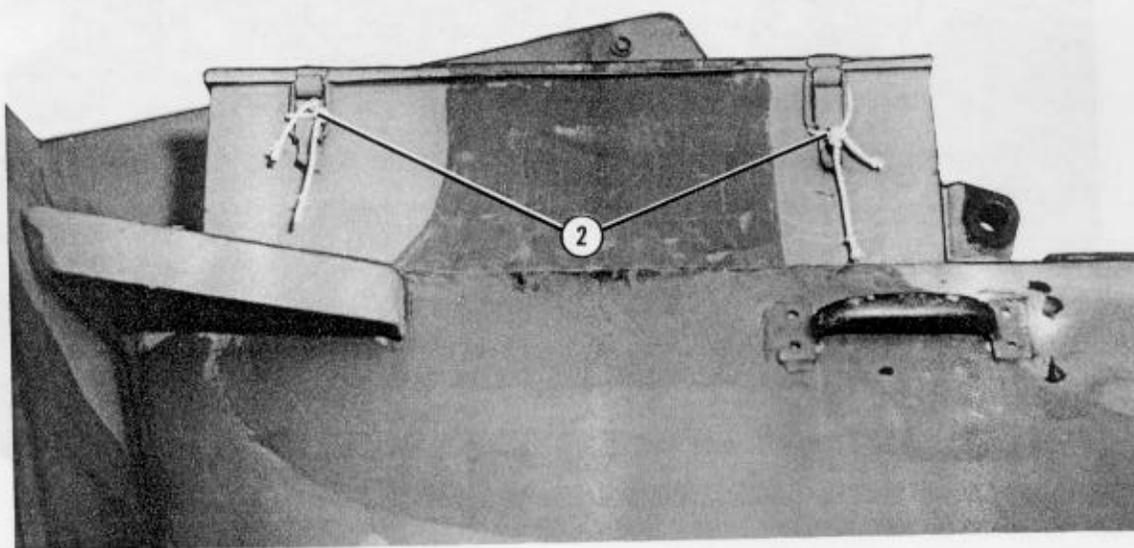
Prepare the forklift as described below and as shown in Figure 4-15.

- a. Make sure the fuel tank is not more than 3/4 full.
- b. Make sure the front tires are inflated to 30 psi and the rear tires to 20 psi of air pressure.
- c. Remove the ROPS guard, the air intake stack with support bracket, and the steering wheel.



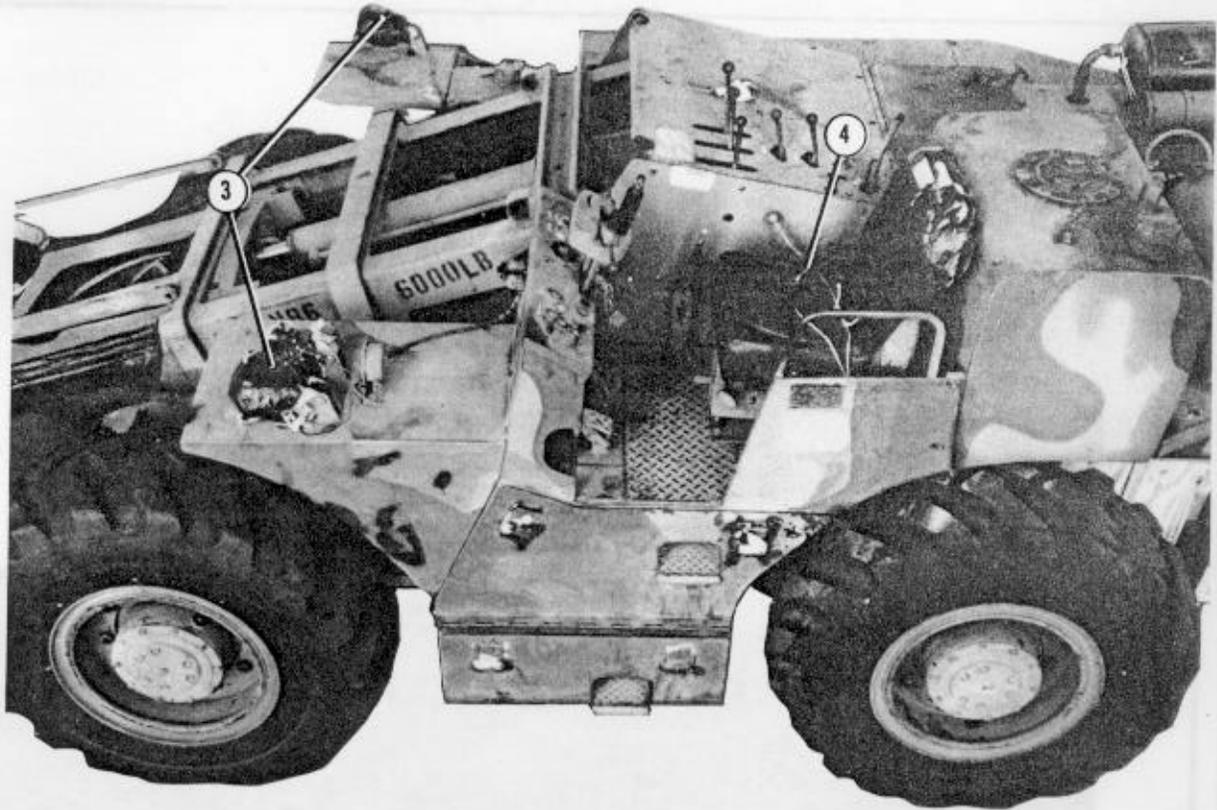
① Safety the engine compartment door with type III nylon cord.

Figure 4-15. Forklift prepared



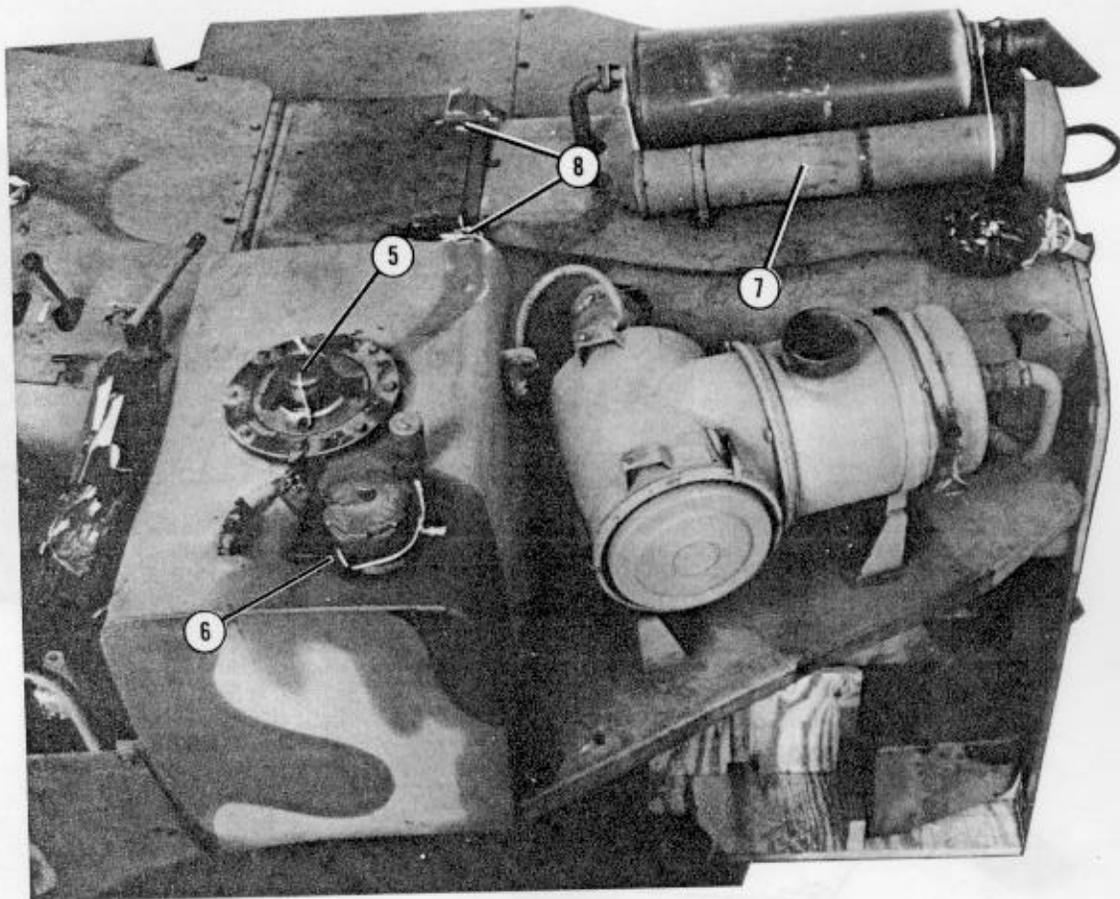
- ② Safety the storage box latches with type III nylon cord.

Figure 4-15. Forklift prepared (continued)



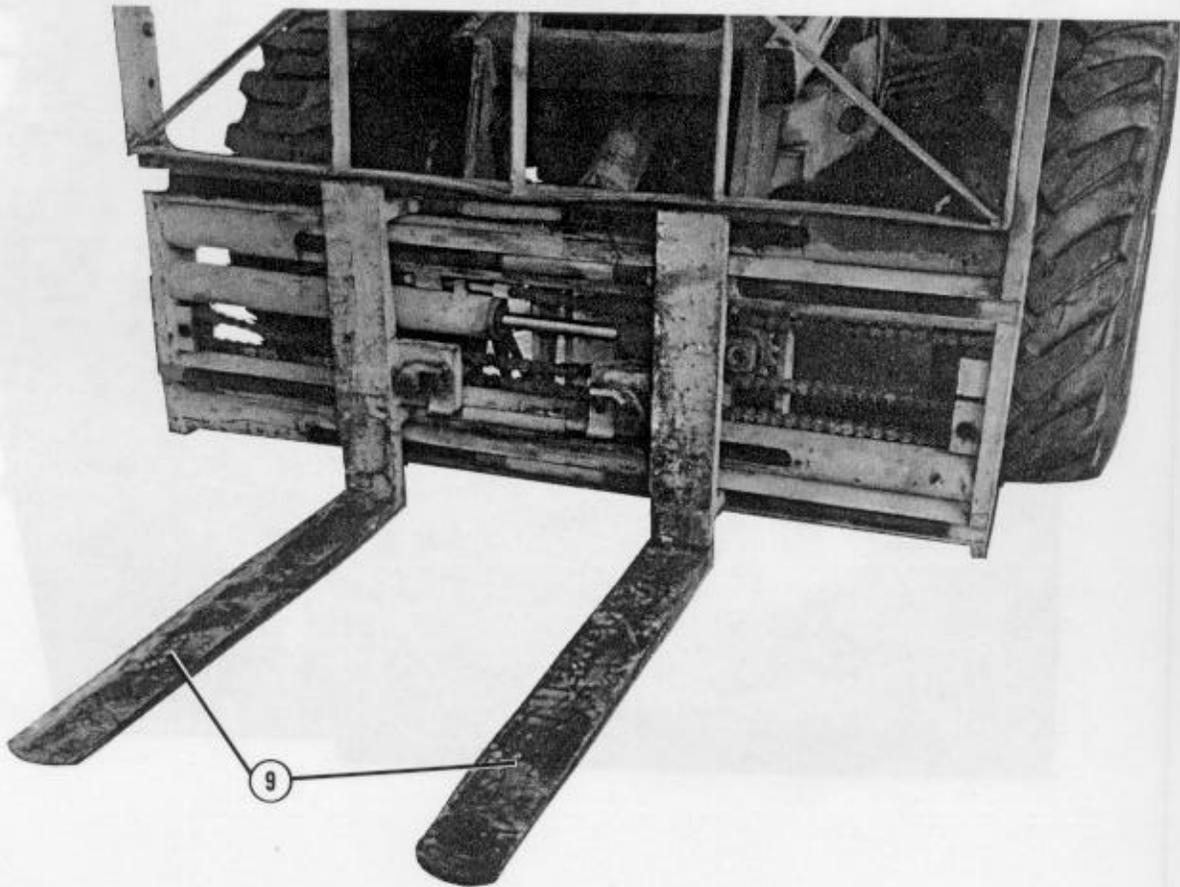
- ③ Pad the beam lights with cellulose wadding and tape in place. Turn the lights down against the forklift.
- ④ Secure the steering wheel to the seat with type III nylon cord.

Figure 4-15. Forklift prepared (continued)



- ⑤ Remove the bracket above the hydraulic warning indicator. Safety the indicator with tape and type III nylon cord.
- ⑥ Secure the hydraulic warning indicator bracket to the hydraulic fluid filler cap with tape and type III nylon cord.
- ⑦ Remove the air intake stack, lay it beside the muffler, and tie it in place with type III nylon cord.
- ⑧ Safety the battery box with type III nylon cord.

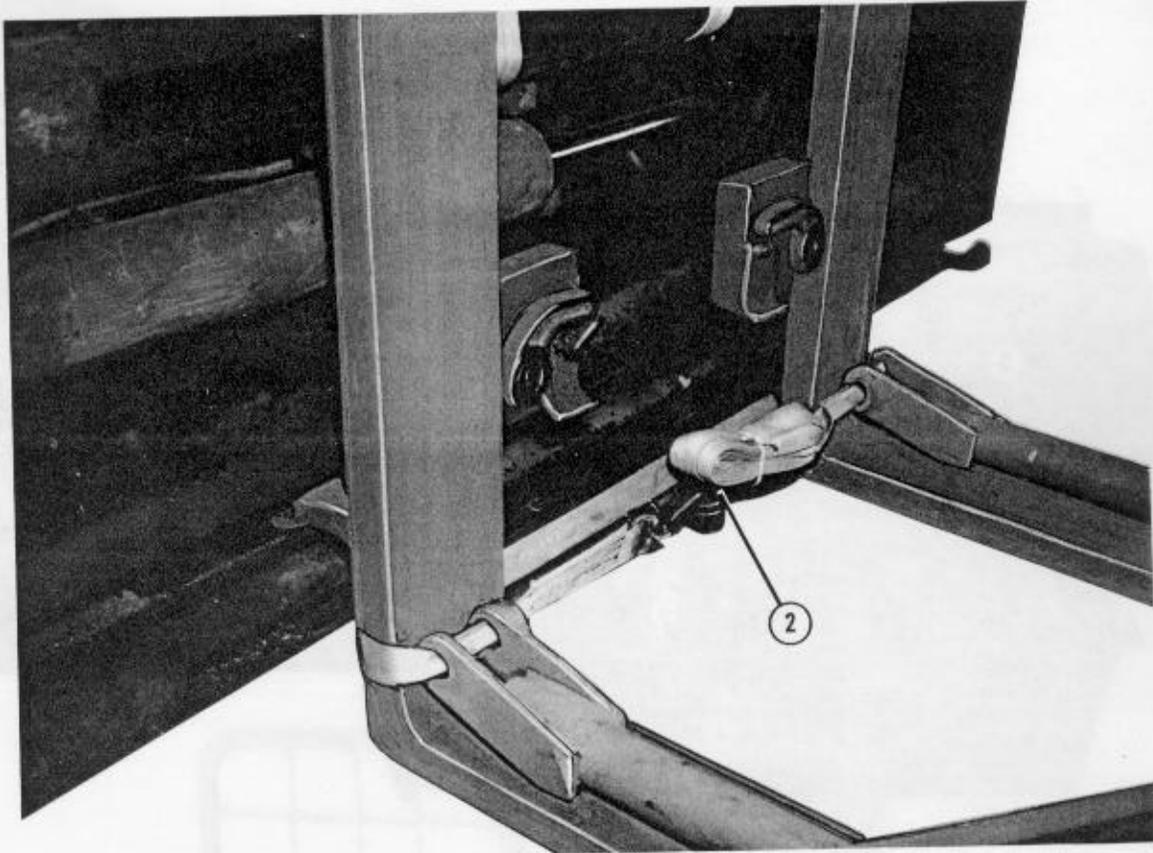
Figure 4-15. Forklift prepared (continued)



- 9 Adjust the forks on the carriage to 25 inches between forks and lowered 4 to 6 inches from the floor. Retract the forks until the fork extension brace makes contact with the carriage frame.

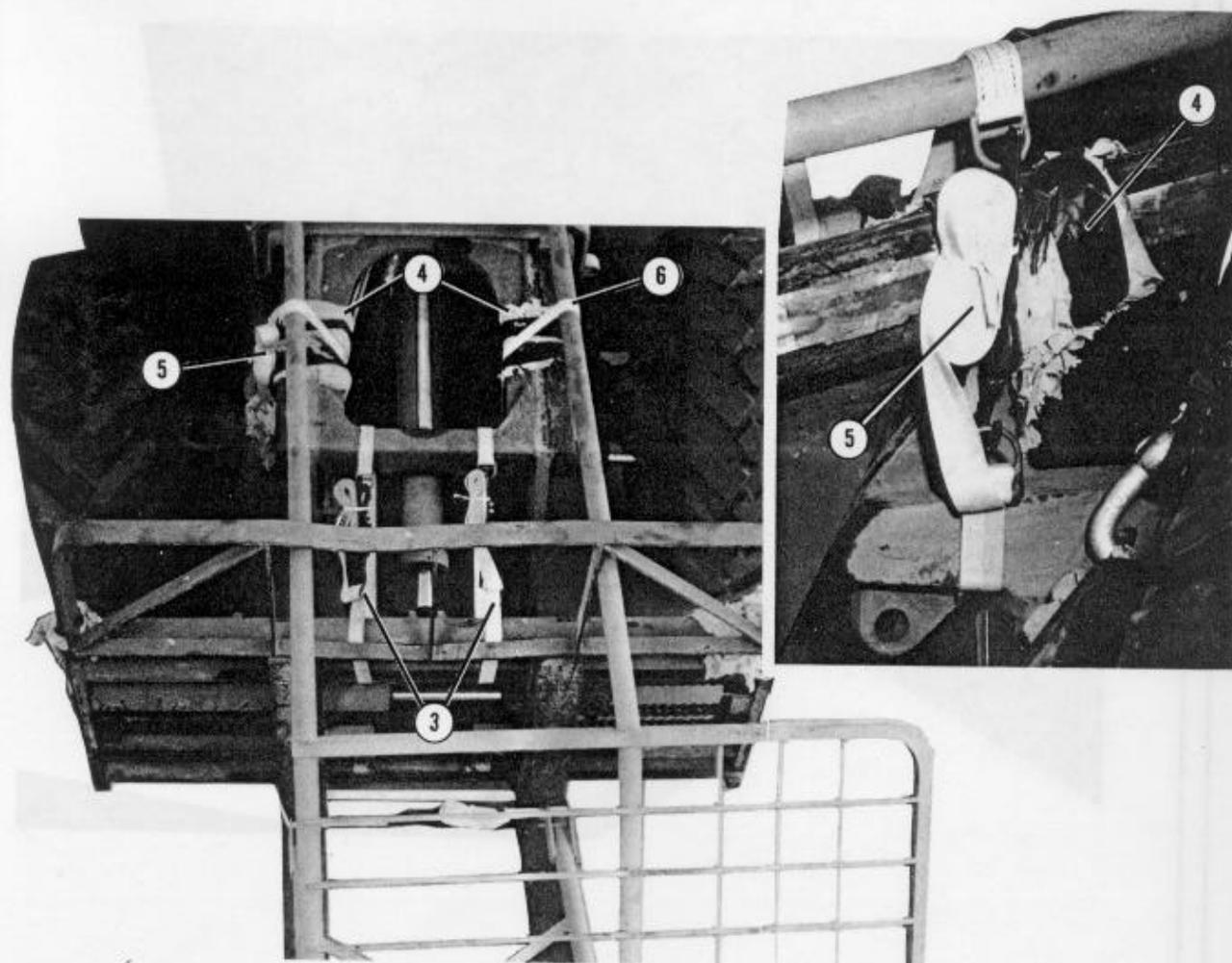
Figure 4-15. Forklift prepared (continued)

d. Stow the ROPS as shown in Figure 4-16.



- ① Pass the rear support members of the ROPS through the carriage backrest. Lay the guard support members on the forks (not shown).
- ② Pass a 15-foot lashing through the pin holes in the ROPS support members and around the forks. Secure the ends with a D-ring and load binder.

Figure 4-16. ROPS secured to forks



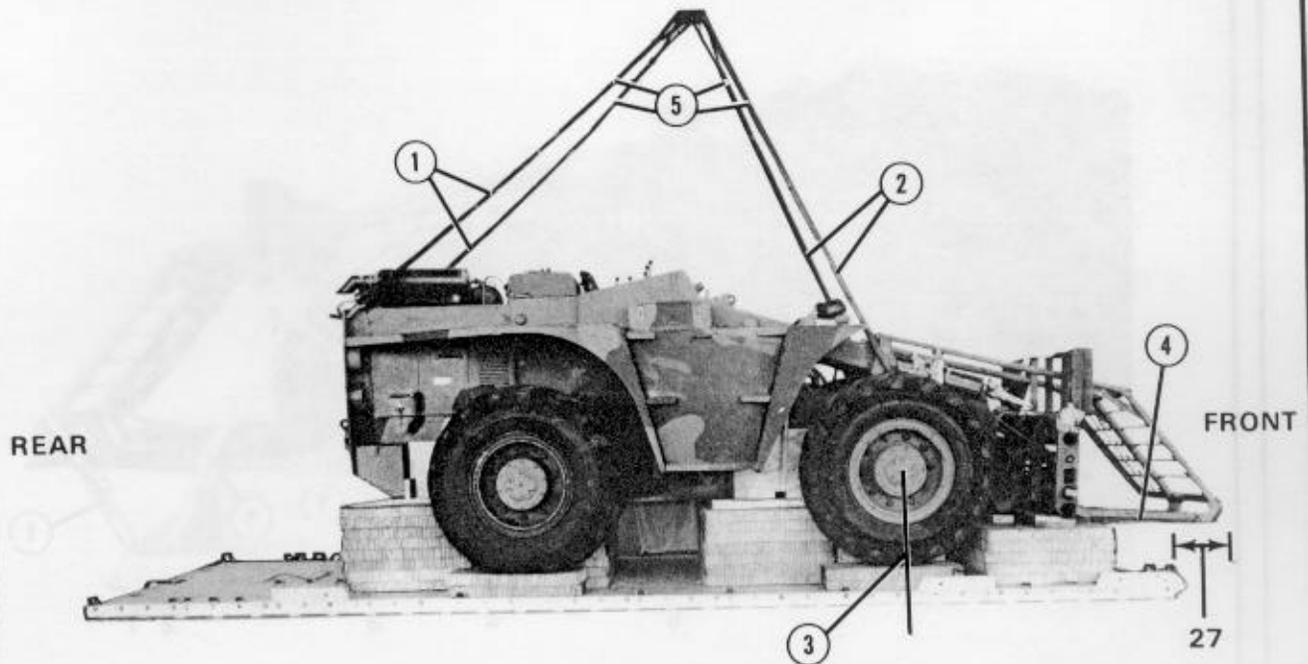
- ③ Secure the fork carriage to the fork extension brace with two 15-foot lashings.
- ④ Pad the left and right fork boom with cellulose wadding and tape in place.
- ⑤ Pass a 15-foot lashing around the right rear support member, the padded fork boom, and the right frame rail. Secure the ends with a D-ring and load binder.
- ⑥ Repeat step 5 for the left rear support member.

Figure 4-16. ROPS secured to forks (continued)

4-6. Installing Lifting Slings and Positioning Forklift

Install the lifting slings and position the forklift on the platform as shown and described in Figure 4-17.

Note: Measurement is given in inches.

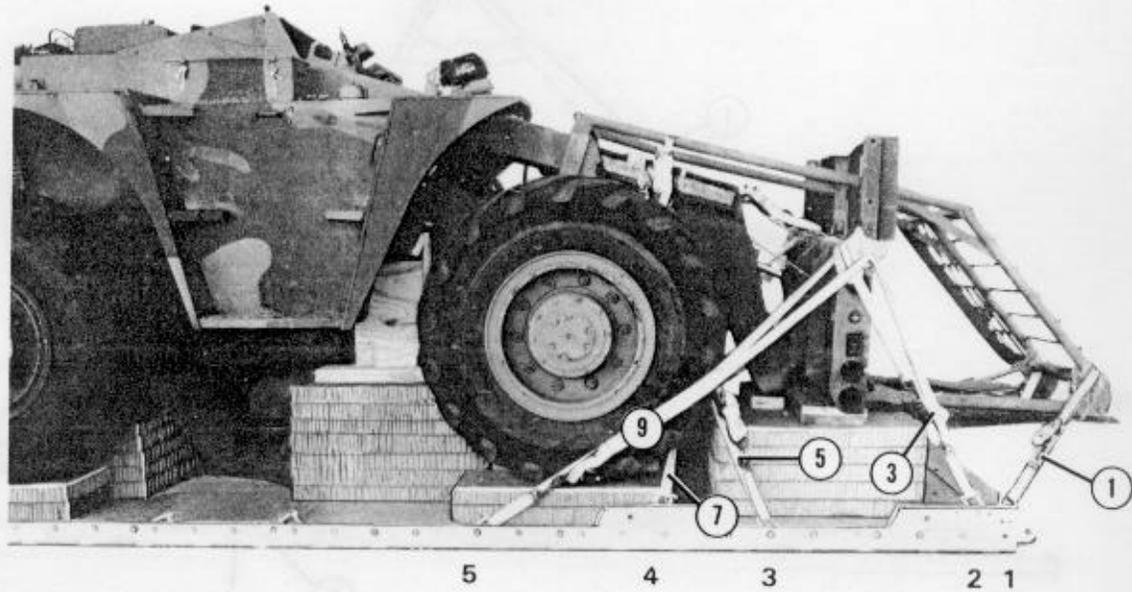


- ① Attach an 11-foot (4-loop), type XXVI nylon sling to each rear lifting point with a large clevis.
 - ② Attach an 11-foot (4-loop), type XXVI nylon sling to each front lifting point with a large clevis.
- Note:** Make sure the forks are 30 inches above the ground before the truck is positioned.
- ③ Set the forklift on the platform with the center of the front wheels 74 inches from the front edge of the platform.
 - ④ Lower the forks on top of the honeycomb stacks so the fork carriage is centered on the 12- by 72-inch lumber of stack 1. The forks should overhang the front of the platform 27 inches.
 - ⑤ Remove the lifting slings after forklift is positioned.

Figure 4-17. Forklift positioned

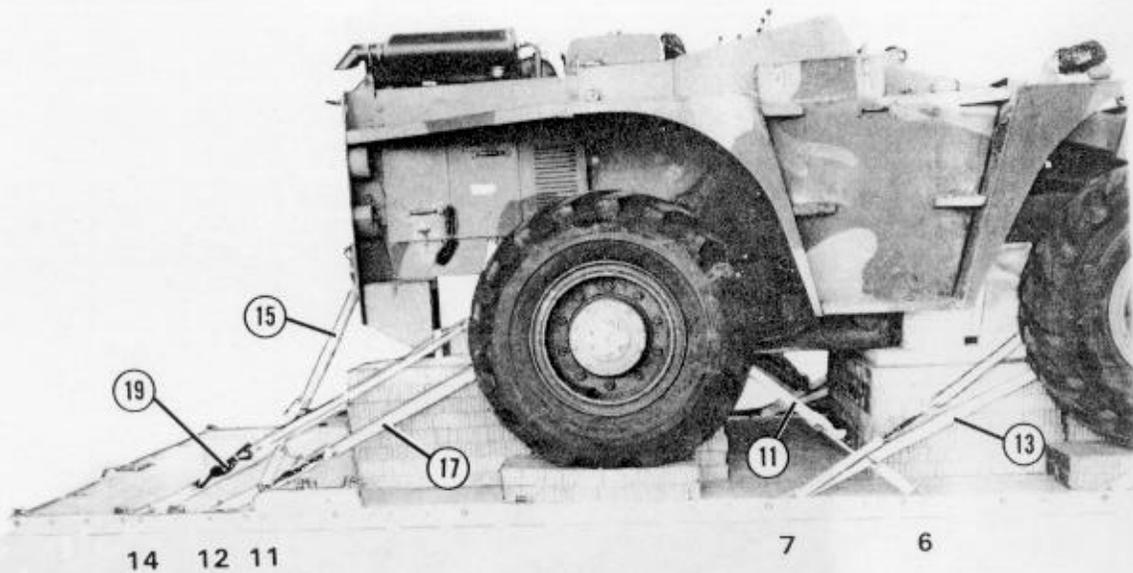
4-7. Lashing Forklift

Lash the forklift to the platform with twenty 15-foot tie-down assemblies. Install the lashings according to FM 10-500-2/TO 13C7-1-5 and as shown in Figures 4-18 and 4-19.



Lashing Number	Tie-down Clevis Number	Instructions
1	1	Pass lashing: Around operator's guard and fork, right side.
2	1A	Around operator's guard and fork, left side.
3	2	Around padded fork carriage, right side.
4	2A	Around padded fork carriage, left side.
5	3	Through padded front lifting point, right side.
6	3A	Through padded front lifting point, left side.
7	4	Around front mainframe cross brace, right side.
8	4A	Around front mainframe cross brace, left side.
9	5	Around padded fork carriage, right side.
10	5A	Around padded fork carriage, left side.

Figure 4-18. Lashings 1 through 10 installed



Lashing Number	Tie-down Clevis Number	Instructions
11	6	Pass lashing: Through padded rear tie-down point, right side. Through padded rear tie-down point, left side. Around front axle, right side. Around front axle, left side. Through towing pintle. Through towing pintle. Around rear axle, right side. Around rear axle, left side. Through padded rear tie-down point, right side. Through padded rear tie-down point, left side.
12	6A	
13	7	
14	7A	
15	11	
16	11A	
17	12	
18	12A	
19	14	
20	14A	

Figure 4-19. Lashings 11 through 20 installed

4-8. Covering Load

Cover the load from the rear of the forklift to the front fenders with a 12- by 12-foot piece of cotton duck cloth. Tie it to convenient places on the forklift with type III nylon cord as shown in Figure 4-20.

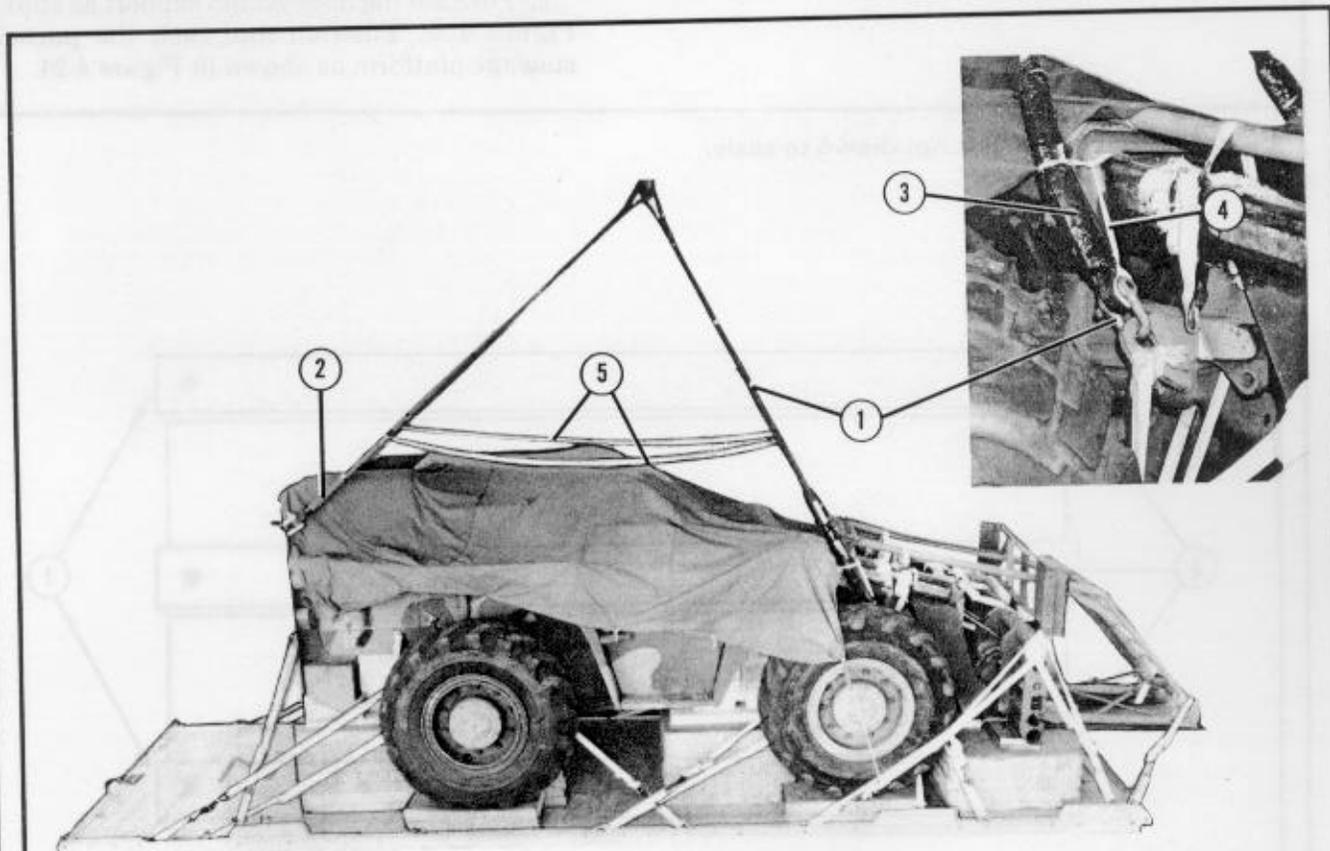


Direction	Through	Through
Through bedded rear tie-down point, right side	4	11
Through bedded rear tie-down point, left side	4B	12
Around front axle, right side	1	13
Around front axle, left side	4A	14
Through towing point	11	15
Through towing point	11A	16
Around rear axle, right side	21	17
Around rear axle, left side	21A	18
Through bedded rear tie-down point, right side	4	19
Through bedded rear tie-down point, left side	4B	20

Figure 4-20. Load covered

4-9. Installing Suspension Slings and Deadman's Tie

Install the suspension slings and the deadman's tie as shown in Figure 4-21.



- ① Attach an 11-foot (4-loop), type XXVI nylon sling to each front lifting point with a screw pin clevis.
- ② Attach an 11-foot (4-loop), type XXVI nylon sling to each rear lifting point with a screw pin clevis.
- ③ Pad the front suspension slings with 8- by 24-inch pieces of felt at the screw pin clevis and tape in place.
- ④ Safety the front suspension slings to the forklift with a length of 1/2-inch tubular nylon webbing.
- ⑤ Safety the suspension slings with a deadman's tie according to FM 10-500-2/TO 13C7-1-5.

Figure 4-21. Suspension slings and deadman's tie installed

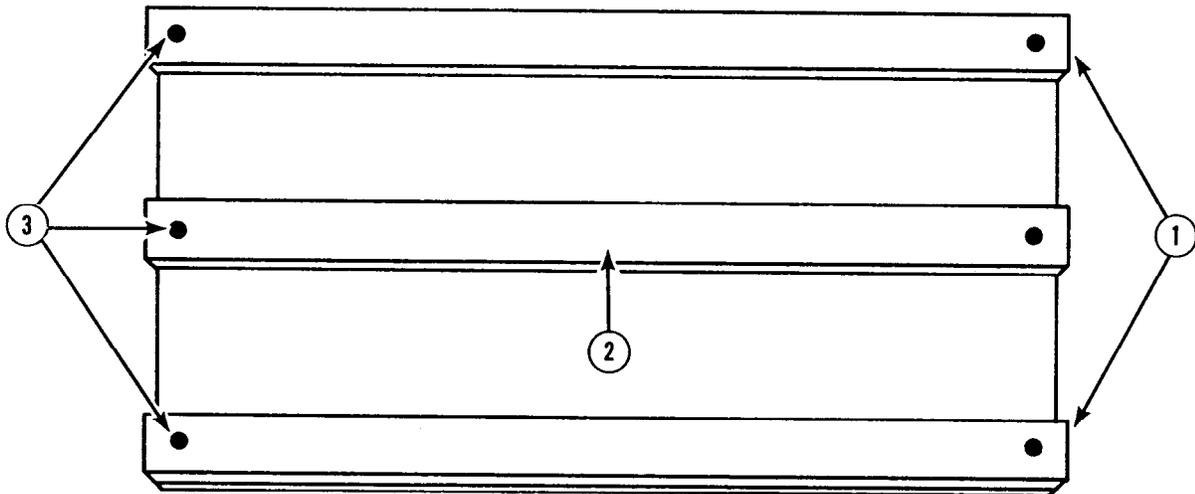
4-10. Building and Positioning Parachute Stowage Platform

a. Build two honeycomb supports with thirty 18- by 48-inch pieces of honeycomb, fifteen pieces for each stack.

b. Build a parachute stowage platform as shown in Figure 4-22.

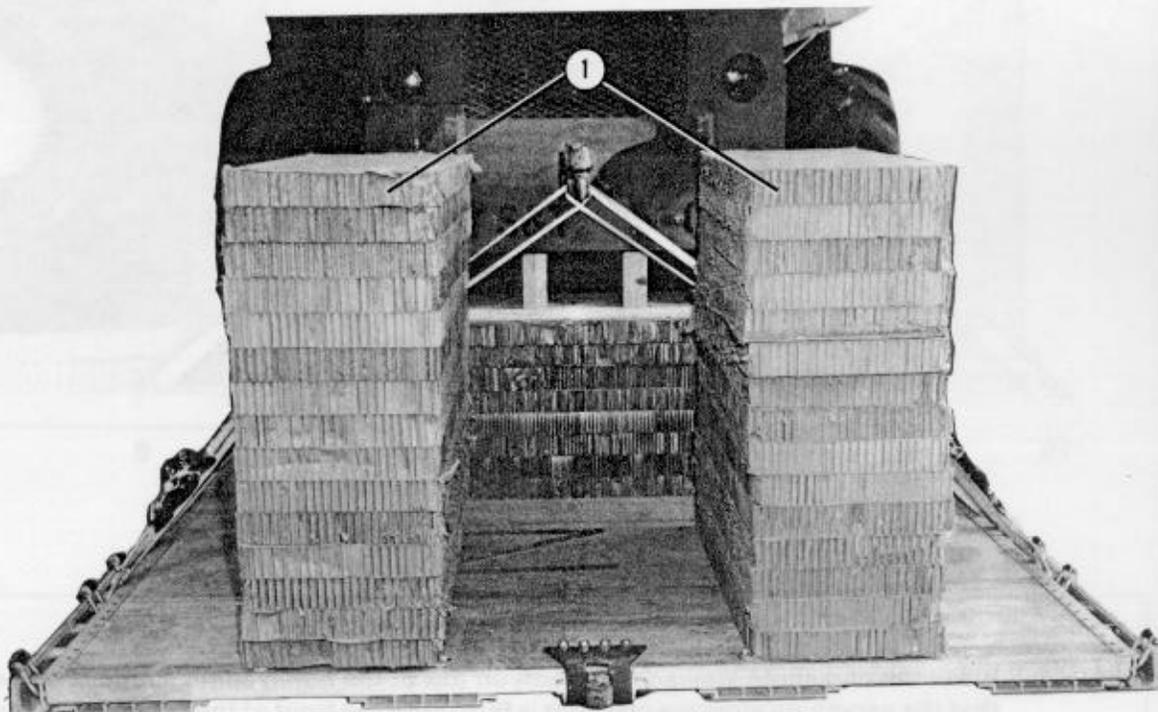
c. Position the honeycomb support as shown in Figure 4-23. Position and lash the parachute stowage platform as shown in Figure 4-24.

Note: This drawing is not drawn to scale.



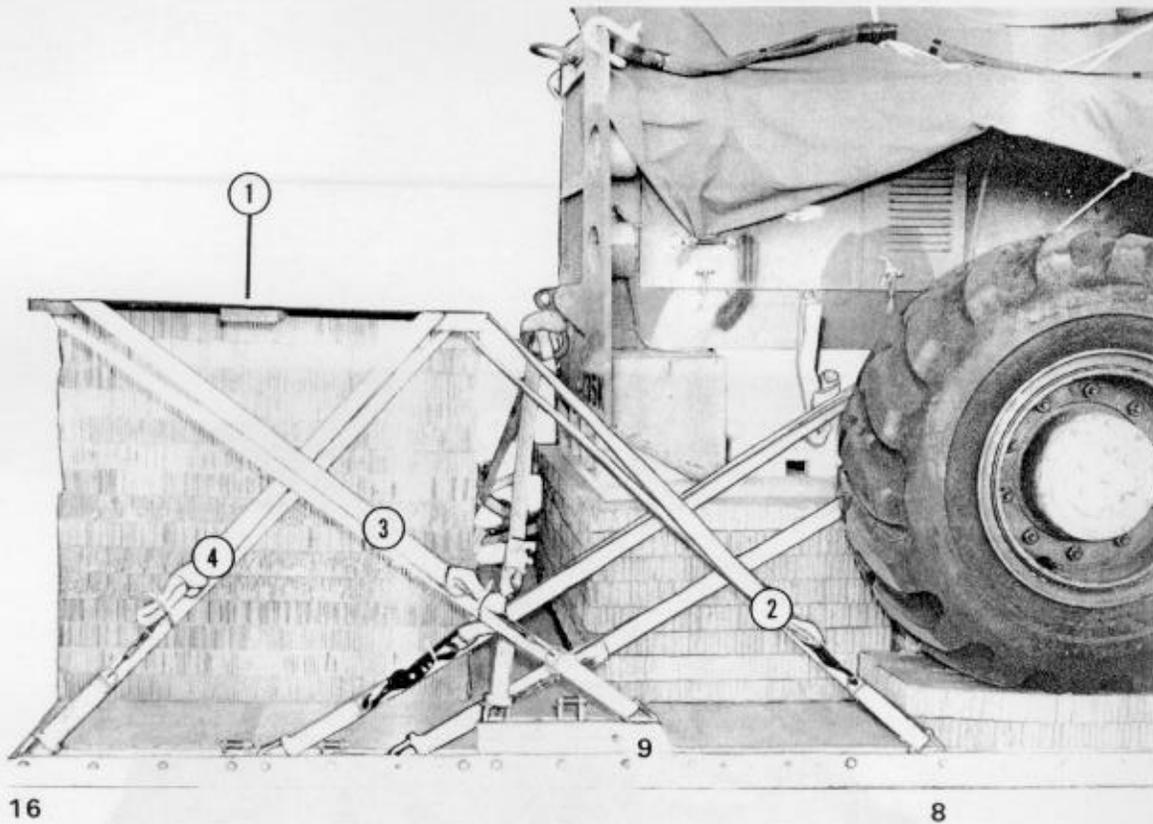
- ① Nail a 2- by 6- by 96-inch piece of lumber to each 96-inch side of a 3/4- by 48- by 96-inch piece of plywood with 8d nails.
- ② Nail an additional 2- by 6- by 96-inch piece of lumber to the center of the plywood with 8d nails.
- ③ Drill a 2-inch hole through each end of each 2- by 6-inch piece of lumber 2 inches in from the plywood edge.

Figure 4-22. Parachute stowage platform built



- ① Place each honeycomb support on the platform 20 inches in from the platform side rails and flush with the rear of the platform.

Figure 4-23. Honeycomb support positioned



- ① Place the parachute stowage platform on top of the honeycomb support. Make sure that the parachute stowage platform is flush with the front of the honeycomb support.
- ② Pass a 15-foot lashing through clevis 8 and through the right front hole of the parachute stowage platform. Secure the ends with a D-ring and load binder.
- ③ Pass a 15-foot lashing through clevis 9 and through the right rear hole of the parachute stowage platform. Secure the ends with a D-ring and load binder.
- ④ Pass a 15-foot lashing through clevis 16 and through the right front hole of the parachute stowage platform. Secure the ends with a D-ring and load binder.
- ⑤ Repeat steps 2, 3, and 4 for the left side using clevises 8A, 9A, and 16A (not shown).

Figure 4-24. Parachute stowage platform secured

4-11. Stowing Cargo Parachutes ^{MSC JND 95}

- a. Prepare and stow six G-11² cargo parachutes on the parachute stowage platform according to FM 10-500-2/TO 13C7-1-5.
- b. Install the parachute restraint straps according to FM 10-500-2/TO 13C7-1-5 using clevises 10, 13, 15, 10A, 13A, and 15A.
- c. Install the multicut parachute release straps according to FM 10-500-2/TO 13C7-1-5.

4-12. Installing Extraction System

Install the EFTC extraction system according to FM 10-500-2/TO 13C7-1-5 and as given below.

- a. Install the actuator brackets to the front mounting holes on the left platform side rail.

b. Attach a 24-foot cable to the actuator. Run the cable toward the rear. Safety the cable to a convenient point with type I, 1/4-inch cotton webbing.

c. Install a 9-foot (2-loop or 4-loop), type XXVI nylon webbing sling as the deployment line according to FM 10-500-2/TO 13C7-1-5.

4-13. 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 4-25.

4-14. Installing Provisions for Emergency Restraints

Install the provisions for the emergency restraints on the load according to FM 10-500-2/TO 13C7-1-5.

4-15. Placing Extraction Parachutes

Place the extraction parachutes as described below:

a. C-130 Aircraft. Place two 28-foot cargo extraction parachutes; a 60-foot (6-loop), type XXVI nylon webbing extraction line; and a four-point link assembly on the load for installation in the aircraft.

b. C-141 Aircraft. Place one 28-foot (heavy-duty) cargo extraction parachute; a 140-foot (3-loop), type XXVI nylon webbing extraction line; and a four-point link assembly on the load for installation in the aircraft.

4-16. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 4-26. Complete DD Form 1387-2, and securely attach it to the

load. Indicate on DD Form 1387-2 that the load has been prepared according to AFR 71-4/TM 38-250. If the load varies from the one shown, the weight, height, CB, and parachute requirements must be recomputed.

4-17. Rigged Load Lifting Slings

Install lifting slings as described below to lift the rigged load onto the transport vehicle.

a. Attach an 11-foot (4-loop), type XXVI nylon sling to each front lifting point with a large clevis.

b. Attach an 11-foot (4-loop), type XXVI nylon sling to each rear suspension link on the platform with a large clevis.

4-18. Equipment Required

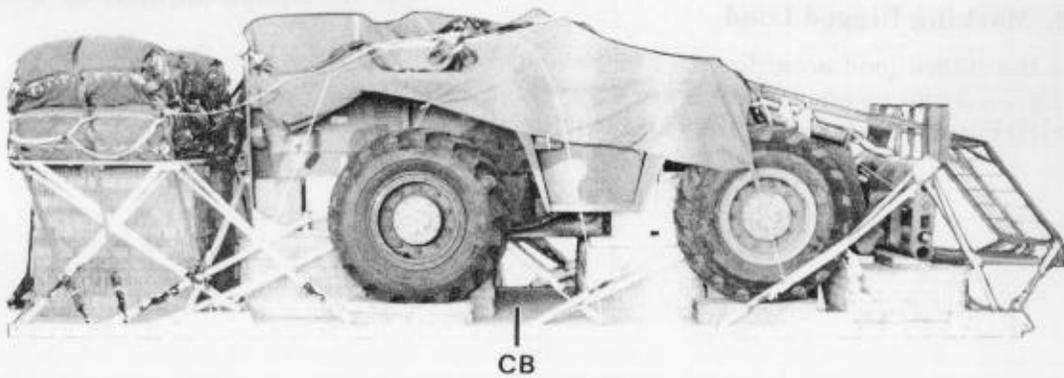
Use the equipment listed in Table 4-2 to rig this load.

CAUTION

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

NOTICE OF EXCEPTION

The rigged height is greater than 100 inches. The location of the maximum height is behind the seat.



RIGGED LOAD DATA

Weight:	Load shown	28,660 pounds
	Maximum load allowed	29,500 pounds
Height		100 3/4 inches
Width		108 inches
Length		343 inches
Overhang:	Front	27 inches
	Rear	18 inches
CB (from front edge of platform)		141 inches
Extraction system		EFTC

Figure 4-26. 6,000-pound capacity forklift truck rigged on a type V platform for low-velocity airdrop

Table 4-2. Equipment required for rigging the 6,000-pound capacity forklift truck on a type V platform for low-velocity airdrop

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal	As required
1670-00-568-0323	Band, rubber, retainer	As required
4030-00-090-5354	Clevis, suspension, 1-in (large)	4
	Clevis:	
4030-00-432-2516	Screw-pin	4
5306-00-172-9996	Screw-pin (improved)	4
8305-00-242-3593	Cloth, cotton duck, 60-in	As required
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5782	Coupling, airdrop, extraction force transfer w 24-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	2
	Link assembly:	
1670-00-006-2752	Four-point	1
	Two-point:	
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(2)
5310-00-232-5165	Nut, 1-in, hexagonal	(2)
1670-00-003-1954	Plate, side, 5 1/2-in	(2)
5365-00-007-3414	Spacer, large	(2)
	Lumber:	
5510-00-220-6148	2- by 6-in:	
	29 1/2-in	2
	30-in	1
	52-in	2
	96-in	3
5510-00-220-6246	2- by 8-in:	
	11 1/2-in	8
5510-00-220-6250	2- by 12-in:	
	72-in	2
5510-00-220-6274	4- by 4-in:	
	34-in	1
	46-in	1
	Nail, steel wire, common:	
5315-00-010-4657	6d	As required
5315-00-010-4659	8d	As required
5315-00-010-4663	16d	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	35 sheets
	3- by 36- by 96-in:	
	12- by 18-in	4
	18- by 36-in	8
	18- by 48-in	30
	20- by 30-in	2
	30- by 65-in	7

Table 4-2. Equipment required for rigging the 6,000-pound capacity forklift truck on a type V platform for low-velocity airdrop (continued)

National Stock Number	Item	Quantity
	36- by 65-in	21
	36- by 86-in	5
	Parachute:	
	Cargo:	
1670-01-016-7841	G-11 B C	6
	Cargo extraction:	
1670-00-262-1797	28-ft or	2
1670-00-040-8135	28-ft, heavy-duty	2
	Platform, AD, type V, 24-ft:	1
	Bracket:	
1670-01-162-2375	Inside EFTA	(1)
1670-01-162-2374	Outside EFTA	(1)
1670-01-162-2372	Clevis assembly	(32)
1670-01-162-2376	Extraction bracket assembly	(1)
1670-01-247-2389	Suspension link	(4)
1670-01-162-2381	Tandem link	(2)
	Plywood:	
5530-00-128-4981	3/4-in:	
	6- by 30-in	1
	12- by 18-in	4
	16- by 21 3/4-in	6
	20- by 27-in	6
	20- by 30-in	4
	33 1/2- by 46-in	3
	37- by 52-in	2
	48- by 96-in	1
1670-01-097-8817	Release, cargo parachute, M-2	1
	Sling, cargo airdrop:	
	For deployment line:	
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing or	1
1670-01-062-6305	9-ft (4-loop), type XXVI nylon webbing	1
	For lifting:	
1670-01-062-6310	11-ft (4-loop), type XXVI nylon webbing	4
	For extraction:	
1670-01-064-4454	60-ft (6-loop), type XXVI nylon webbing (C-130 aircraft)	1
1670-01-107-7651	140-ft (3-loop), type XXVI nylon webbing (C-141 aircraft)	1
	For riser extensions:	
1670-01-062-6311	120-ft (2-loop), type XXVI nylon webbing	6
	Strap:	
1670-00-040-8219	Parachute release, multicut comes w 3 knives	2
7510-00-266-6710	Tape, masking, 2-in	As required
1670-00-937-0271	Tie-down assembly, 15-ft	39

Table 4-2. Equipment required for rigging the 6,000-pound capacity forklift truck on a type V platform for low-velocity airdrop (continued)

National Stock Number	Item	Quantity
8305-00-268-2411	Webbing: Cotton, 1/4-inch, type I	As required
8305-00-082-5752	Nylon:	As required
8305-00-268-2453	Tubular: 1/2-in, natural or	As required
8305-00-268-2455	1/2-in, olive drab	As required
8305-00-261-8584	1-in, olive drab	As required
	Type X	As required