

CHAPTER 18

**RIGGING PALLETIZED LOAD SYSTEM ON A 24-FOOT,
TYPE V PLATFORM FOR LOW-VELOCITY AIRDROP**

Section I
RIGGING 105-MILLIMETER AMMUNITION

18-1. Description of Load

The Palletized Load System can be moved from the drop zone and transported on a specially designed truck. Bulk supplies are lashed to the pallet, giving the load integrity for transport. The pallet has swivel rings along the sides for lashing the load. The pallet and load are lashed to the airdrop platform for low-velocity airdrop. The load shown consists of 245 boxes of 105-millimeter ammunition. Adapt these procedures to rig other items of bulk supplies. Ammunition listed in FM 10-500-53/MCRP No 4-3.8/TO 13C7-18-41 and certified for low-velocity airdrop may be rigged using these procedures. The rigged load may not be more than 100 inches high. Refer to FM 10-500-2/TO 13C7-1-5 for parachute requirements.

18-2. Preparing Platform

Prepare a 24-foot, type V airdrop platform as given below:

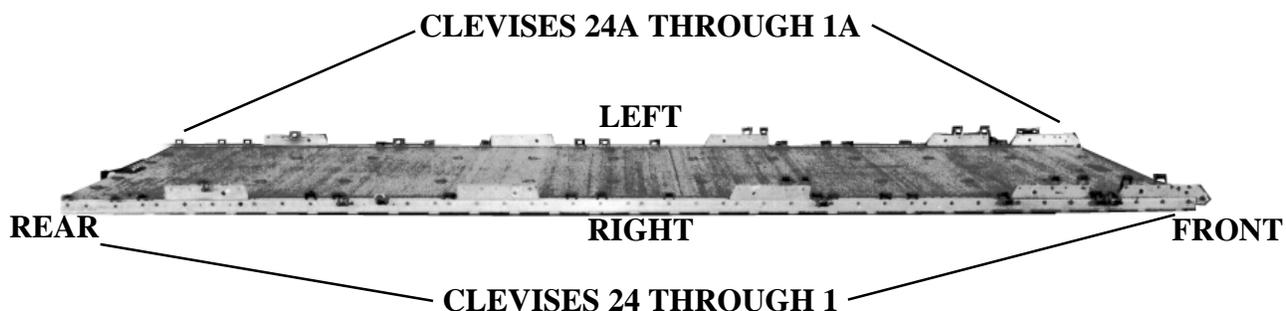
a. Inspecting Platform. Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20&P/TO 13C7-52-22.

b. Installing Suspension Links. Install the suspension links to the platform according to FM 10-500-2/TO 13C7-1-5.

c. Installing Tandem Links. Install two tandem links as shown in Figure 18-1.

d. Attaching and Numbering Clevises. Attach and number 62 clevis assemblies as shown in Figure 18-1.

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.



Step:

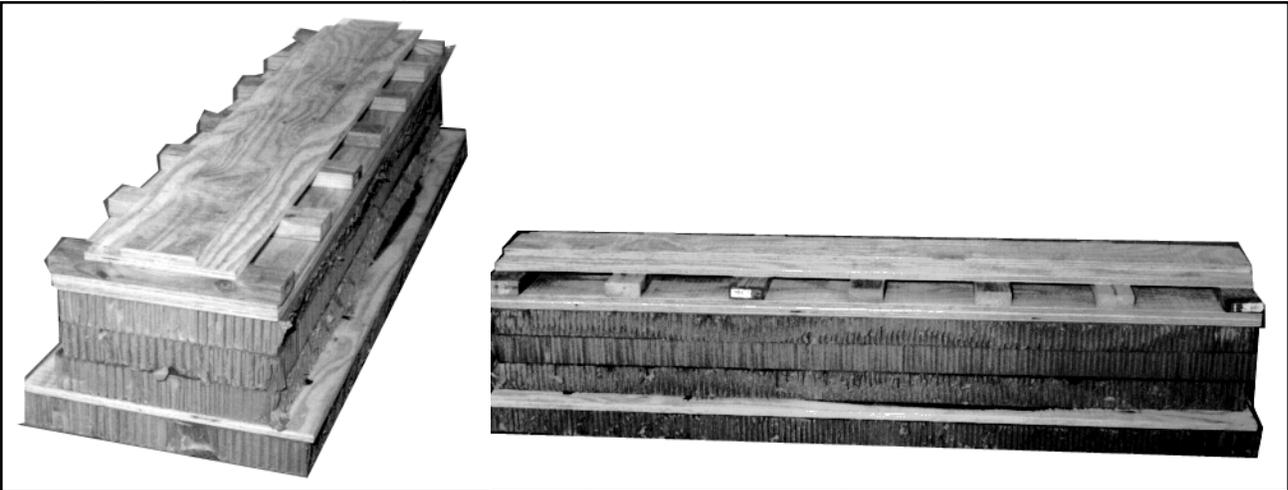
1. Install a suspension link in holes 18, 19, and 20 on each platform side rail.
2. Install a suspension link in holes 6, 7, and 8 on each platform side rail.
3. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
4. Install a suspension link in holes 29, 30, and 31 on each platform side rail.
5. Install a suspension link in holes 41, 42, and 43 on each platform side rail.
6. Install a clevis on bushings 3 and 4 of each front tandem link.
7. Install a clevis and one additional clevis on bushing 1 of each first suspension link.
8. Install a clevis on bushing 3 of each first suspension link.
9. Install clevises on bushings 1 and 2 of each second suspension link.
10. Install a clevis and one additional clevis on bushing 2 of each fourth suspension link.
11. Starting at the front of the platform, install clevises on each platform side rail using the bushings bolted on holes 4, 5, 9, 13, 14, 16, 17, 23, 26, 27, 32, 35, 37, 38, 45, 46, and 48.
12. Install one additional clevis on bushings 4, 5, 9, 17, 35, and 37 on each side of the platform.
13. Starting at the front of the platform, number the clevises bolted to the right side of the platform from 1 through 24, and those bolted to the left side from 1A through 24A.

Note: The eight additional clevises on each side of the platform function as bridge clevises. Do not number them apart from the clevises bolted on the platform rail bushings.

Figure 18-1. Platform prepared

18-3. Preparing and Positioning Honeycomb Stacks

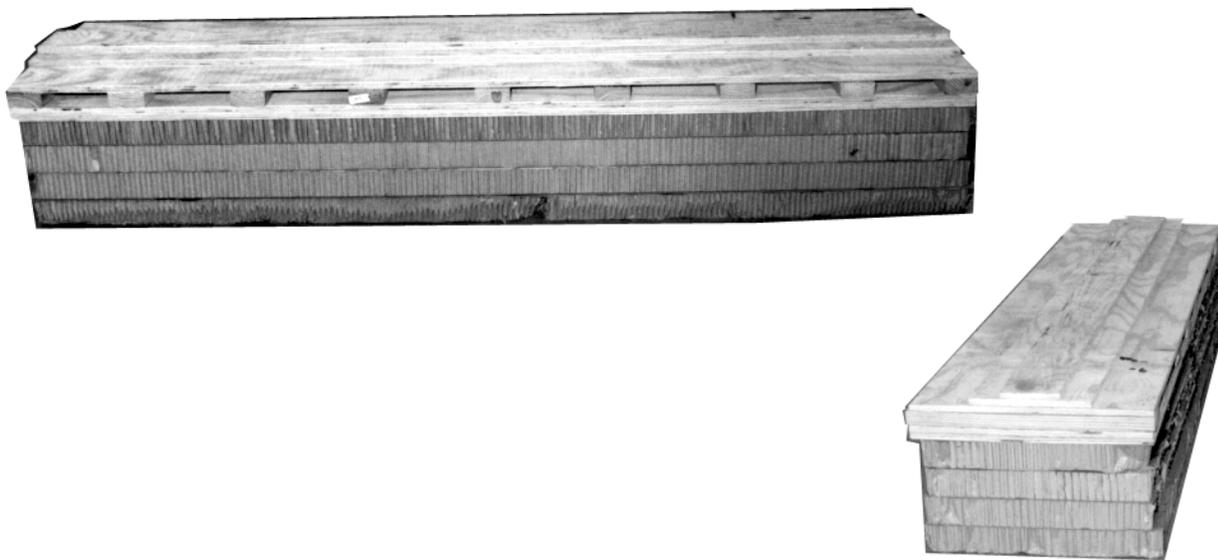
Prepare ten honeycomb stacks as shown in Figures 18-2 through 18-4. Position the stacks on the platform as shown in Figure 18-5.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1, 2, 5, and 6	1	24	76	Honeycomb	Glue plywood flush over honeycomb to form base.
	1	24	76	3/4-inch plywood	
	3	18	76	Honeycomb	Center and glue on base.
	2	18	76	3/4-inch plywood	Glue flush over honeycomb.
	7	18	*3 1/2	2- by 4-inch lumber	Nail one piece flush over each end of the plywood. Center a third piece between the ends. Space two pieces evenly between each end piece and the center piece.
	1	12	76	3/4-inch plywood	
	1	6	76	3/4-inch plywood	

* Two- by four-inch lumber is actually 3 1/2 inches wide.

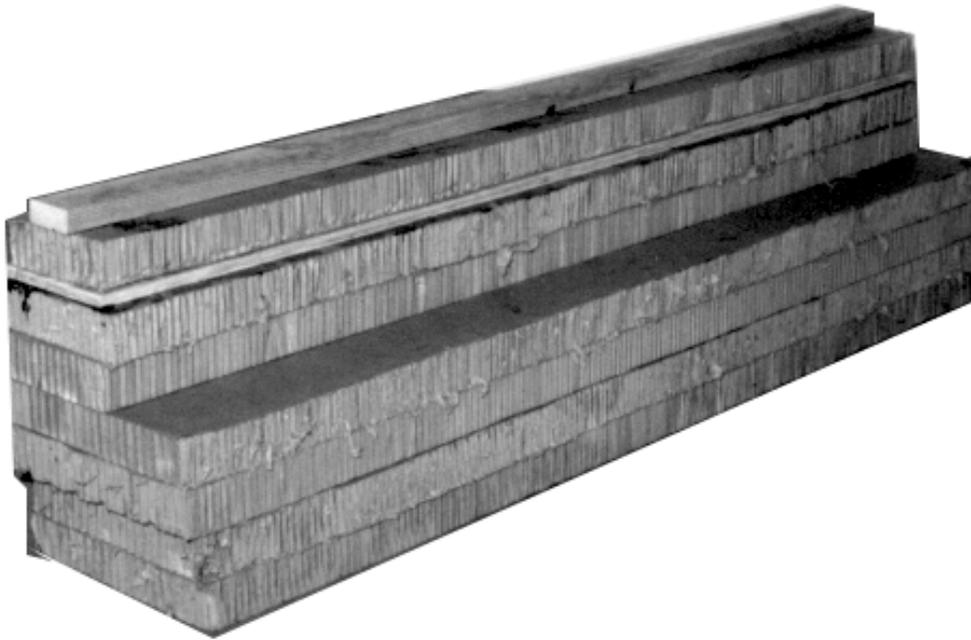
Figure 18-2. Stacks 1, 2, 5, and 6 prepared



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
3 and 4	4	24	96	Honeycomb	Glue flush to form base.
	2	24	96	3/4-inch plywood	Glue flush over honeycomb.
	9	24	*3 1/2	2- by 4-inch lumber	Nail one piece flush over each end of the plywood. Center a third piece between the ends. Space three pieces evenly between each end piece and the center piece.
	1	24	96	3/4-inch plywood	Center and nail over lumber.
	1	12	96	3/4-inch plywood	Center and nail over plywood.
	1	6	96	3/4-inch plywood	Center and nail over plywood.

* Two- by four-inch lumber is actually 3 1/2 inches wide.

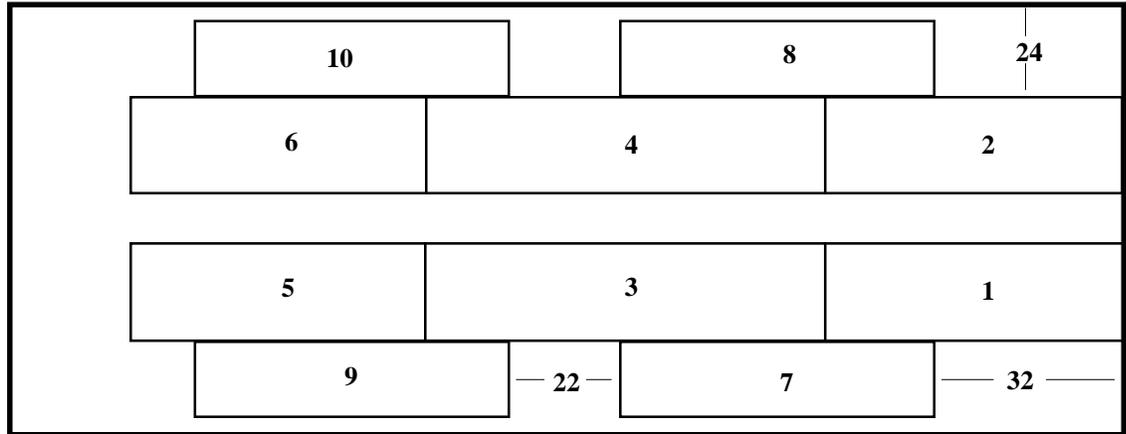
Figure 18-3. Stacks 3 and 4 prepared



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
7, 8, 9, and 10	4	16	84	Honeycomb	Glue flush to form base.
	2	9	84	Honeycomb	Glue flush on one side of base.
	1	9	84	3/4-inch plywood	Glue flush over honeycomb.
	1	9	84	Honeycomb	Glue flush over plywood.
	1	*3 1/2	84	2- by 4-inch lumber	Center and glue on honeycomb.

Figure 18-4. Stacks 7, 8, 9, and 10 prepared

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

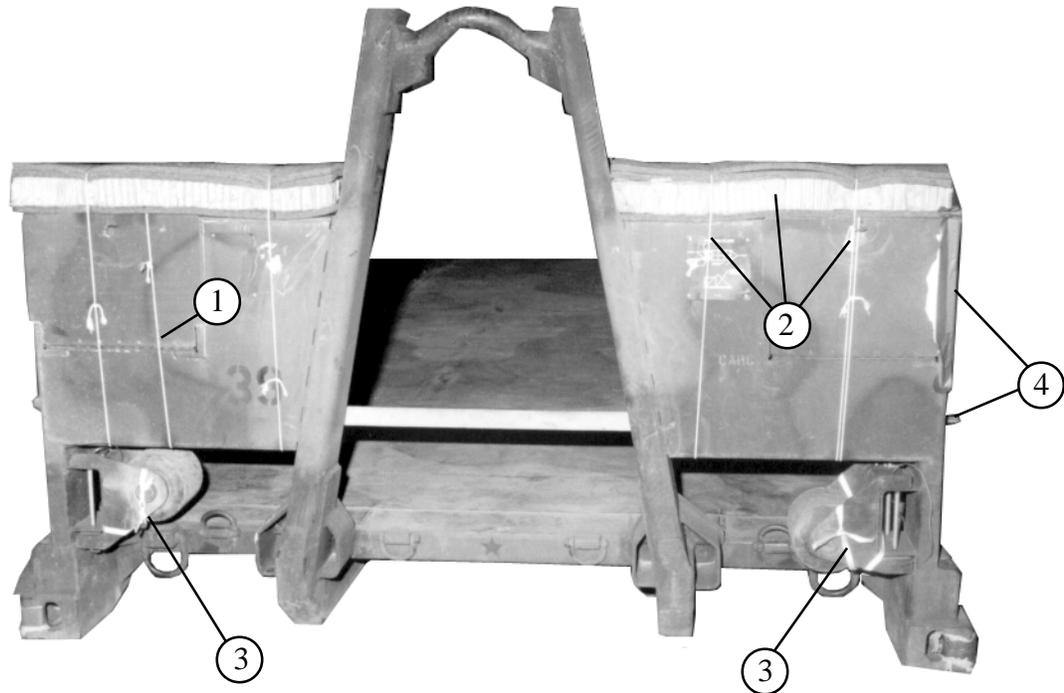


Stack Number	Position of Stack on Platform
1	Place stack: Flush with the front edge of the platform and 24 inches from the right inside platform edge.
2	Flush with the front edge of the platform and 24 inches from the left inside platform edge.
3	Against and aligned behind stack 1.
4	Against and aligned behind stack 2.
5	Against and aligned behind stack 3.
6	Against and aligned behind stack 4.
7	32 inches from the front edge of the platform and flush with the right sides of stacks 1 and 3.
8	32 inches from the front edge of the platform and flush with the left side of stacks 2 and 4.
9	22 inches to the rear of stack 7 and flush with the right side of stacks 3 and 5.
10	22 inches to the rear of stack 8 and flush the the left side of stacks 4 and 6.

Figure 18-5. Honeycomb stacks positioned on platform

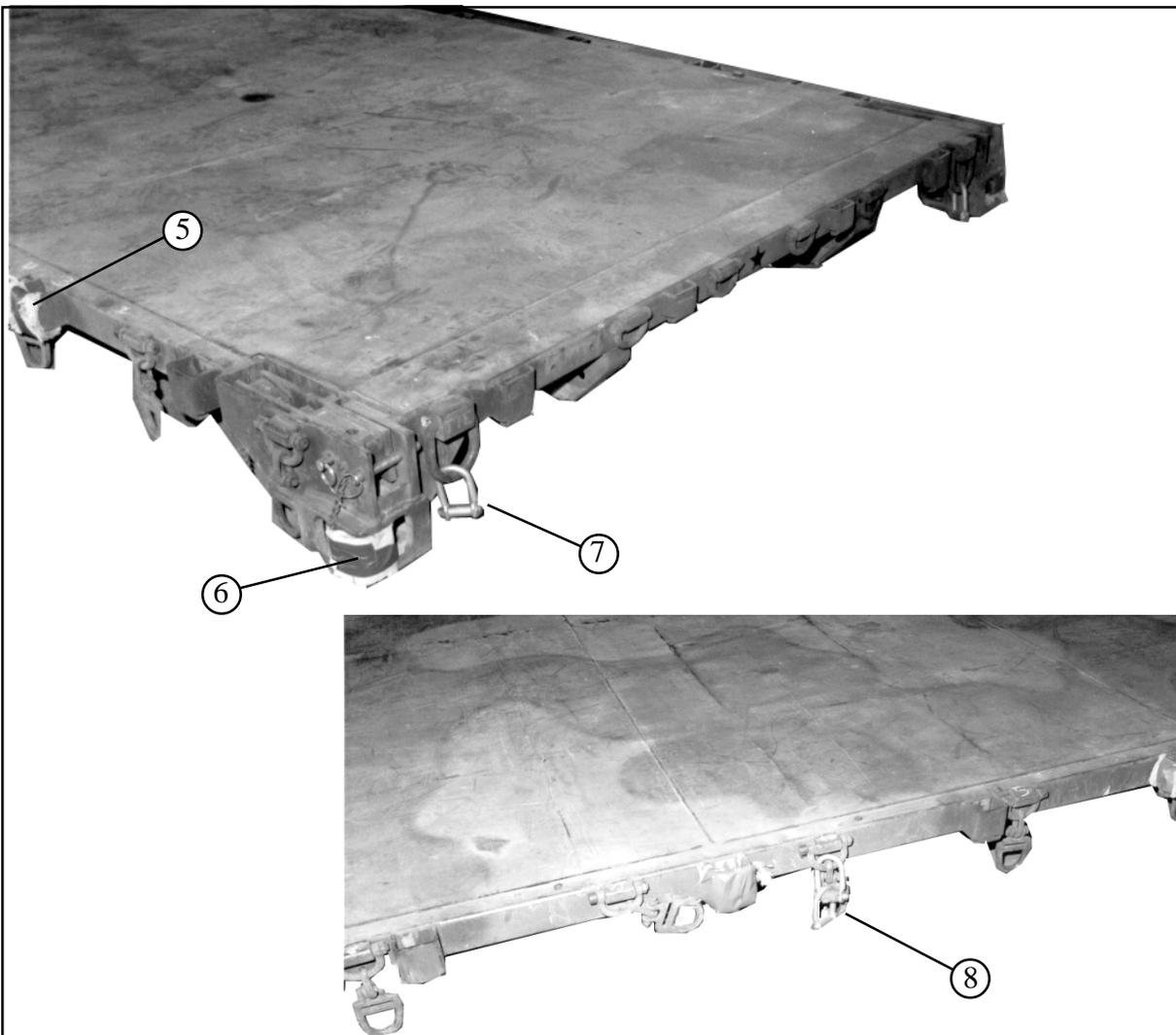
18-4. Preparing PLS Pallet

Prepare the pallet as shown in Figure 18-6.



- ① Tie the storage compartments on each side shut with type III nylon cord.
- ② Pad the top of each box area with a 7- by 30-inch piece of felt, a 7- by 30-inch piece of honeycomb, and two 7- by 30-inch pieces of felt. Tie the padding in place with two lengths of type III nylon cord.
- ③ Remove the wheels and secure them in place with the pins provided. Tie the wheels to their brackets with a length of 1/2-inch tubular nylon webbing.
- ④ Pad the fixtures on the outsides of the boxes with cellulose wadding and tape.

Figure 18-6. Pallet prepared

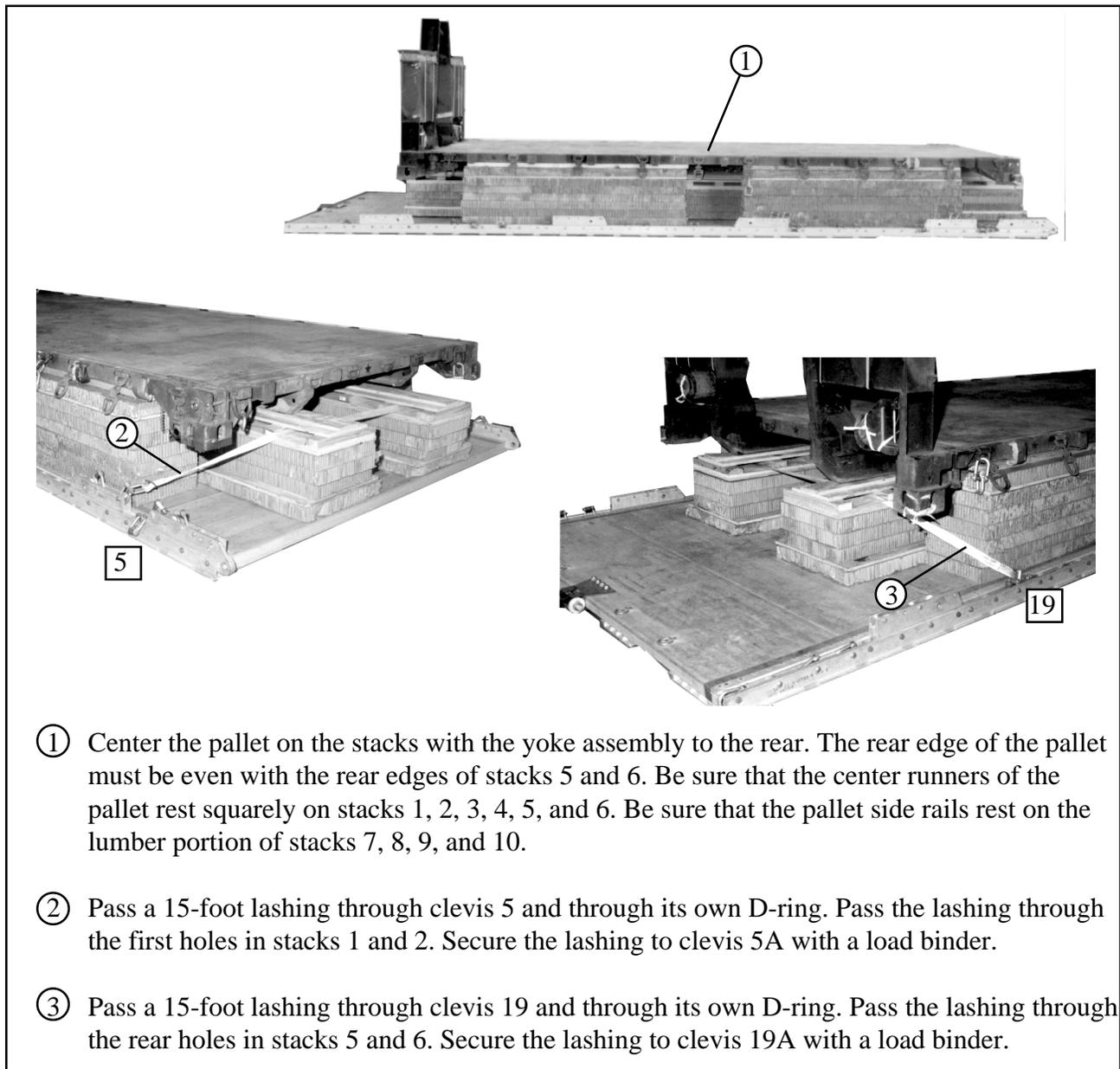


- ⑤ Pad the second stake bracket on each side with cellulose wadding and tape.
- ⑥ Pad all four corners of the pallet around the bottom holes with cellulose wadding and tape as shown.
- ⑦ Add a platform clevis to each of the large tie-down brackets at the rear of the PLS pallet.
- ⑧ Add two platform clevises to the seventh swivel ring bracket on each side of the PLS pallet.

Figure 18-6. Pallet prepared (continued)

18-5. Positioning PLS Pallet on Platform

Position the pallet on the platform and install the restraint lashings around the honeycomb stacks as shown in Figure 18-7.

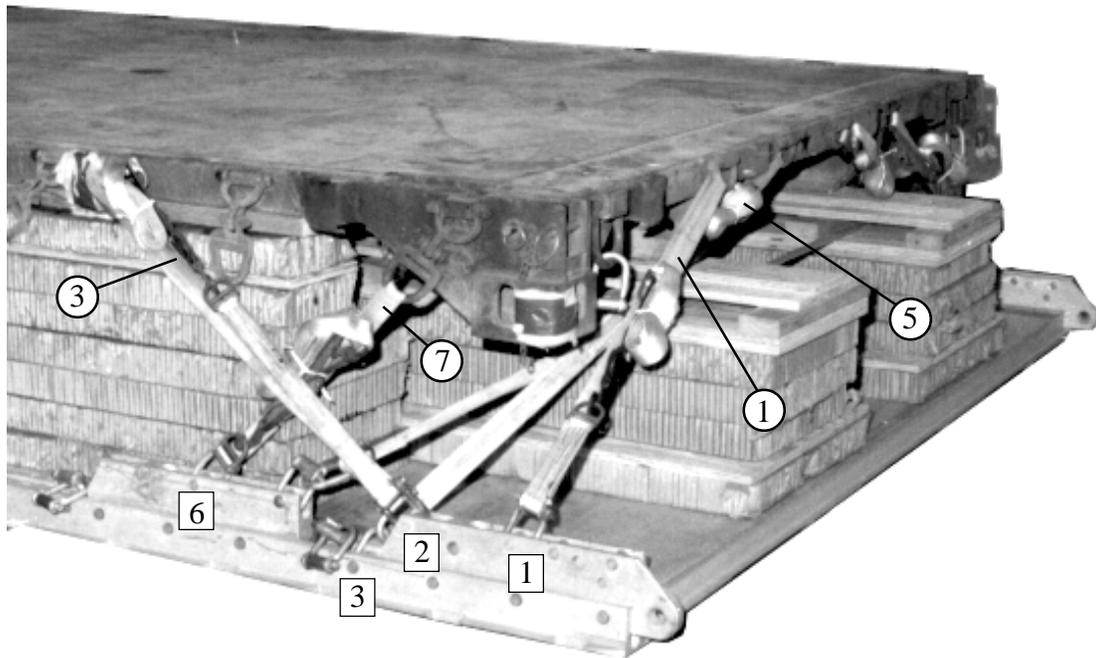


- ① Center the pallet on the stacks with the yoke assembly to the rear. The rear edge of the pallet must be even with the rear edges of stacks 5 and 6. Be sure that the center runners of the pallet rest squarely on stacks 1, 2, 3, 4, 5, and 6. Be sure that the pallet side rails rest on the lumber portion of stacks 7, 8, 9, and 10.
- ② Pass a 15-foot lashing through clevis 5 and through its own D-ring. Pass the lashing through the first holes in stacks 1 and 2. Secure the lashing to clevis 5A with a load binder.
- ③ Pass a 15-foot lashing through clevis 19 and through its own D-ring. Pass the lashing through the rear holes in stacks 5 and 6. Secure the lashing to clevis 19A with a load binder.

Figure 8-7. Pallet positioned and restraint lashing installed

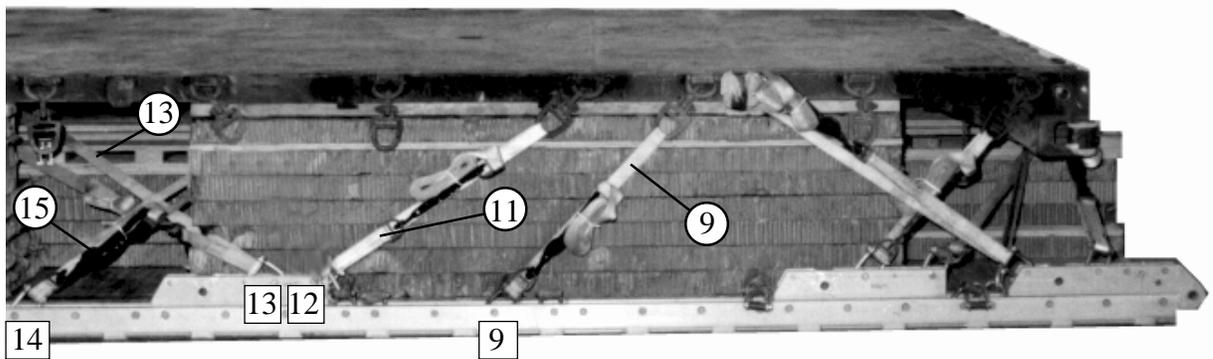
18.6 Lashing PLS Pallet to Platform

Lash the PLS pallet to the platform as shown in Figure 18-8.



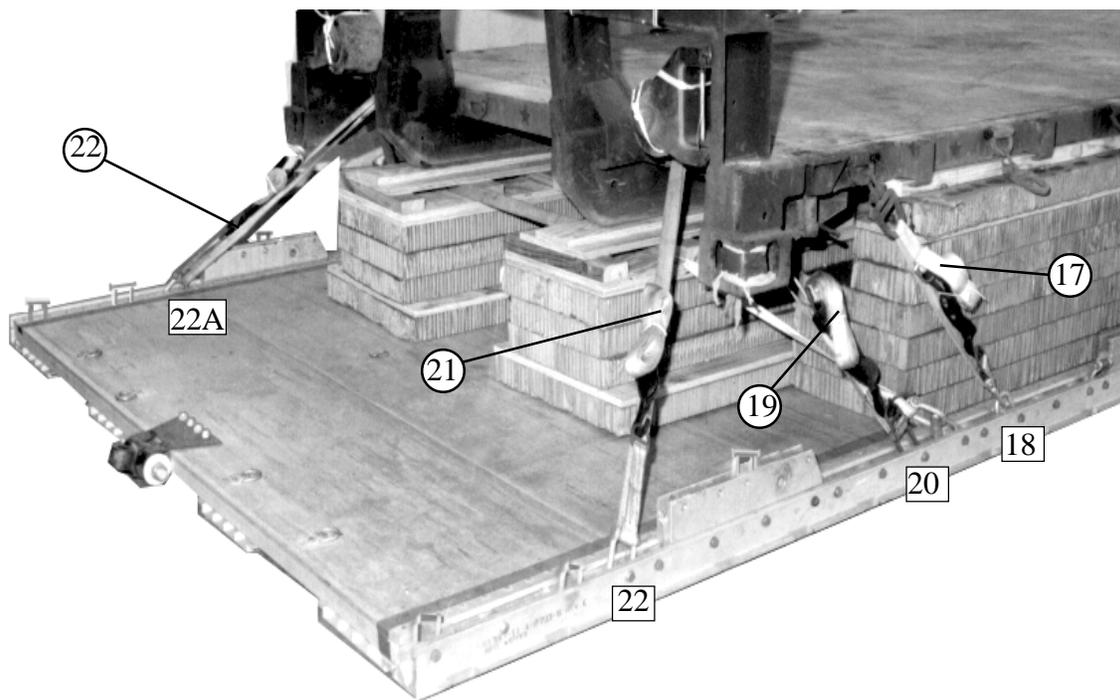
Lashing Number	Tie-down Clevis Number	Instructions
1	1	Pass lashing: Through the right front outside tie-down point.
2	1A	Through the left front outside tie-down point.
3	2	Through the second stake bracket.
4	2A	Through the second stake bracket.
5	3	Through the right front inside tie-down point.
6	3A	Through the left front inside tie-down point.
7	6	Through the first swivel ring.
8	6A	Through the first swivel ring.

Figure 18-8. Pallet lashed to platform



Lashing Number	Tie-down Clevis Number	Instructions
9	9	Pass lashing: Through the third swivel ring.
10	9A	Through the third swivel ring.
11	12	Through the fourth swivel ring.
12	12A	Through the fourth swivel ring.
13	13	Through the rear holes in the skid.
14	13A	Through the rear holes in the skid.
15	14	Through the front holes in the skid
16	14A	Through the front holes in the skid.

Figure 18-8. Pallet lashed to platform (continued)



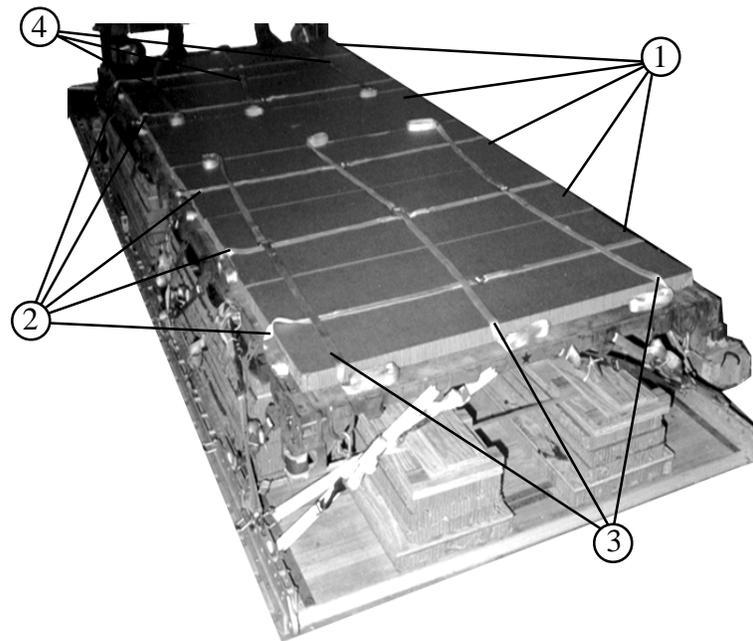
Lashing Number	Tie-down Clevis Number	Instructions
17	18	Pass lashing: Through the eleventh swivel ring.
18	18A	Through the eleventh swivel ring.
19	20	Through the right corner tie-down ring.
20	20A	Through the left corner tie-down ring.
21	22	Through the right outside tie-down point.
22	22A	Through the left outside tie-down point.

Figure 18-8. Pallet lashed to platform (continued)

18-7. Placing and Lashing the Load

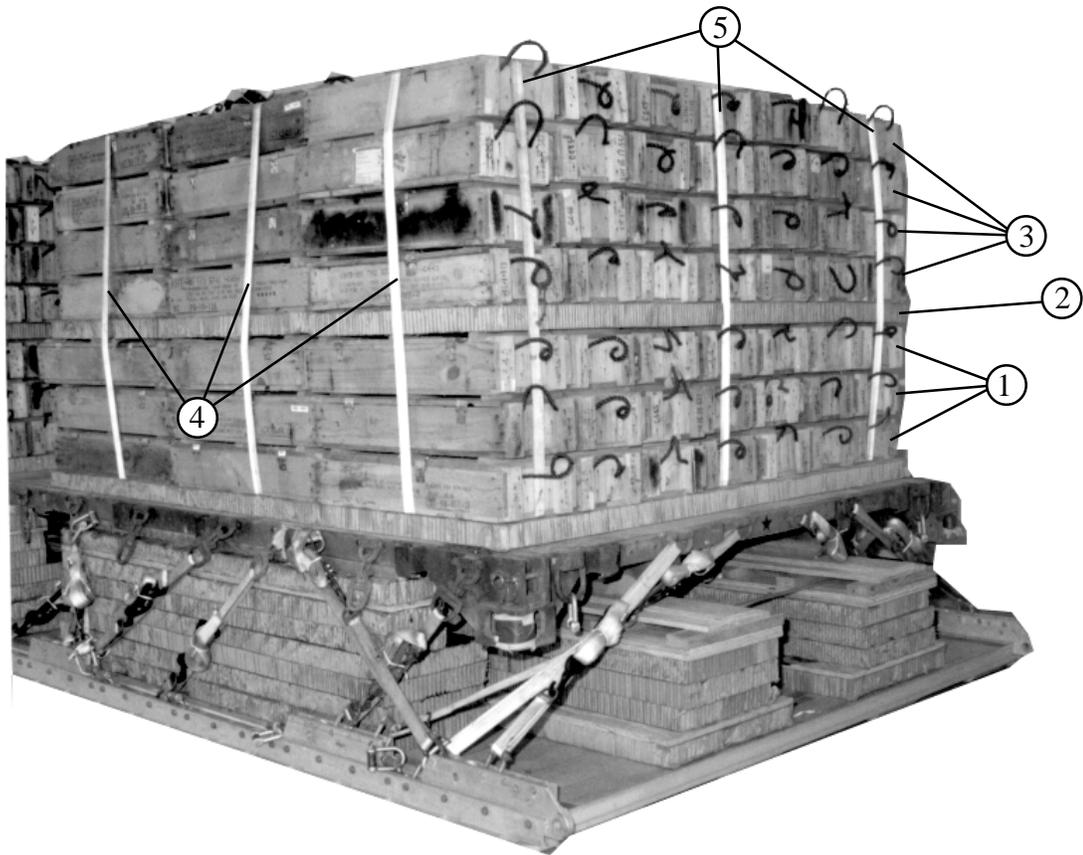
Place a layer of honeycomb and eleven 30-foot lashings on the pallet as shown in Figure 18-9. Place 245 boxes of 105-millimeter ammunition on the pallet and bind the boxes together with the lashings as shown in Figure 18-10. Construct four endboards as shown in Figure 18-11.

Secure the boxes and endboards to the front section of the pallet as shown in Figure 18-12. Secure the boxes and endboards to the rear section of the pallet as shown in Figure 8-13. Lash the load to the platform as shown in Figure 8-14.



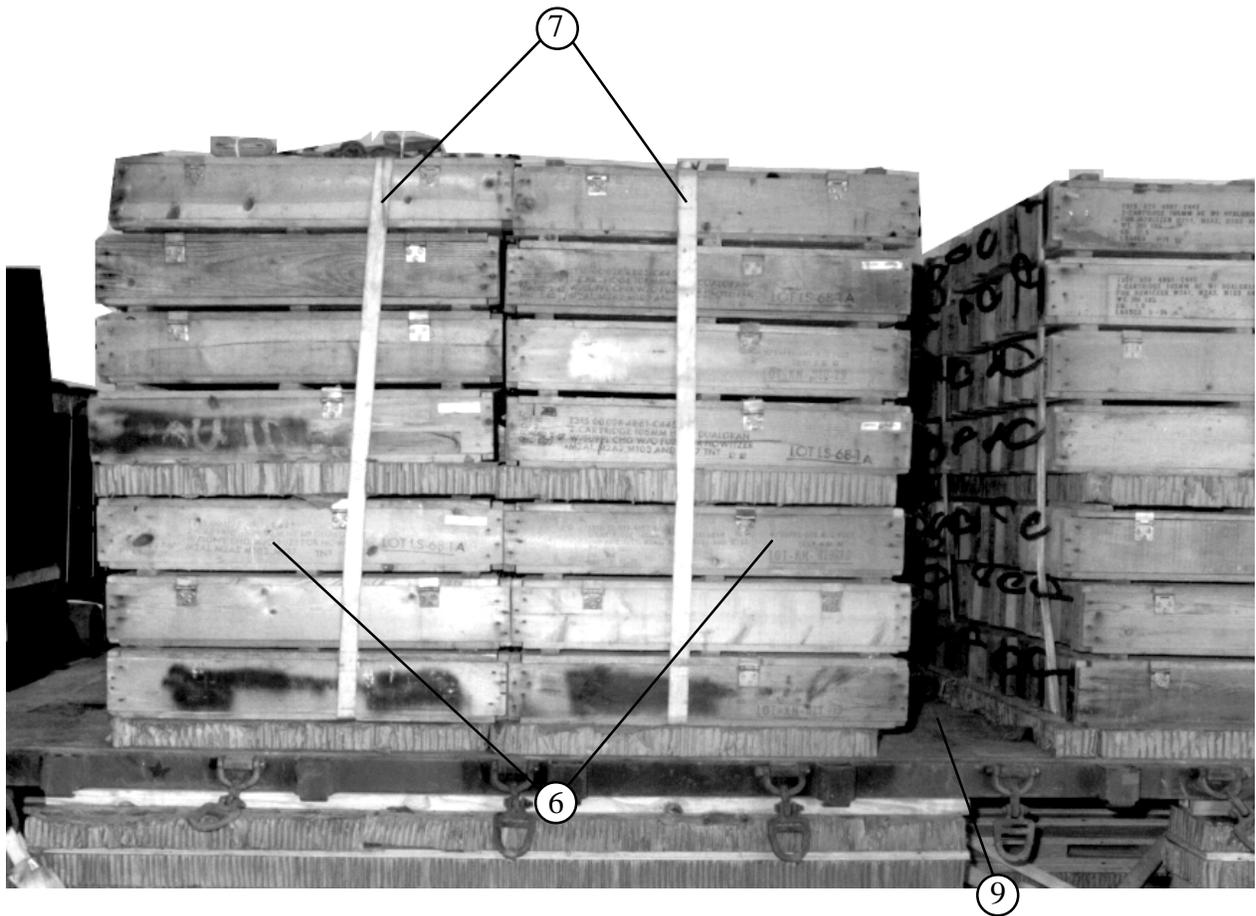
- ① Cover the pallet with five 96- by 36-inch pieces of honeycomb, beginning 4 1/2 inches from the front edge.
- ② Place and center five 30-foot lashings across the honeycomb at 18 inches, 54 inches, 90 inches, 124 inches, and 160 inches.
- ③ Center the D-rings of three 30-foot lashings on the second of the lashings placed in step 2. Center one of the lashings, and place the other two 7 inches from each side.
- ④ Center the D-rings of three 30-foot lashings between the fourth and fifth of the lashings placed in step 2. Center one of the lashings, and place the other two 7 inches from each side.

Figure 18-9. Honeycomb and lashings placed on the pallet



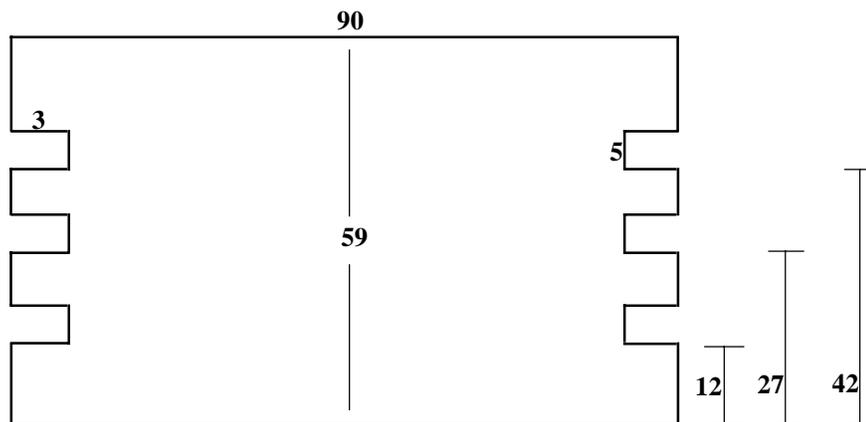
- ① Place 21 boxes (three rows of seven each) flush with the edges of the honeycomb. Place two more stacks of 21 each flush behind these.
- ② Cover the three layers of boxes with a layer of honeycomb.
- ③ Place four layers of boxes over the boxes and honeycomb placed in steps 1 and 2 above.
- ④ Fasten the three side-to-side lashings on top of the boxes.
- ⑤ Bring the center lashing up through the carrying handles of the middle boxes, and secure it on top of the load. Bring the side lashings up through the carrying handles of the end boxes, and secure them on top of the load.

Figure 18-10. Ammunition boxes placed on pallet



- ⑥ Beginning 16 inches from the front stack of boxes, place 98 boxes on the honeycomb in the same configuration as in steps 1 through 3.
- ⑦ Secure the two side-to-side lashings on top of the boxes.
- ⑧ Route and secure the three front-to-rear lashings in the same way as in step 5 (not shown).
- ⑨ Cut out the honeycomb between the two stacks of boxes to allow the endboards to rest on the pallet.

Figure 18-10. Ammunition boxes placed on pallet (continued)

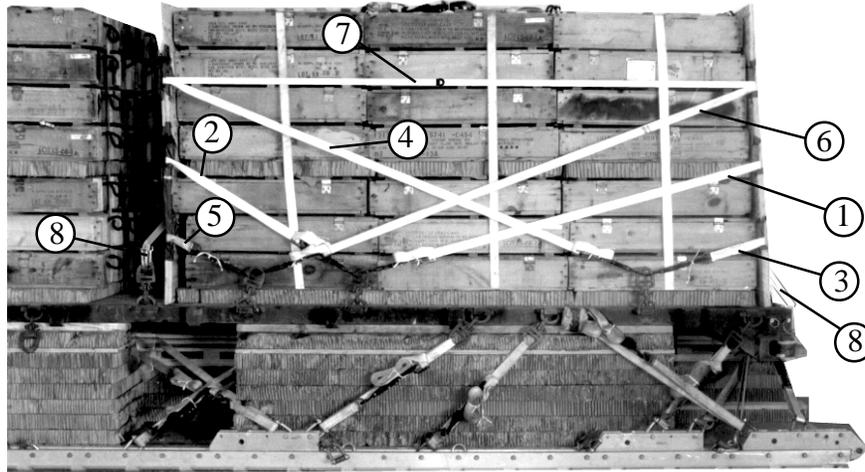


- Notes:**
1. This drawing is not to scale.
 2. For loads different from that shown in this section, make the endboards the same height as the load configuration.
 3. The instructions given are for one endboard. Four are required for this load.
 4. All dimensions are given in inches.

Step:

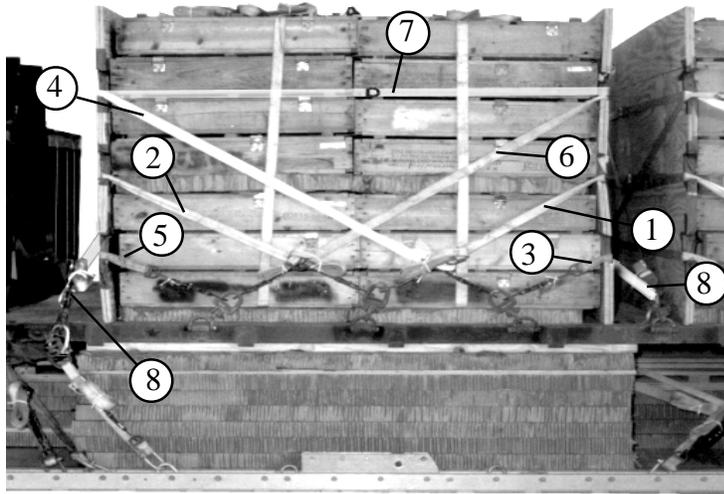
1. Cut two 3/4- by 48- by 90-inch and two 3/4- by 11- by 90-inch pieces of plywood. Nail the four pieces flush together so that a single 1 1/2- by 59- by 90-inch piece of plywood results. (The 11-inch piece will be at the top on one side, and at the bottom on the other side).
2. Make cutouts 5 inches wide and 3 inches deep. Tape the sharp edges of the cutouts.

Figure 18-11. Four endboards constructed



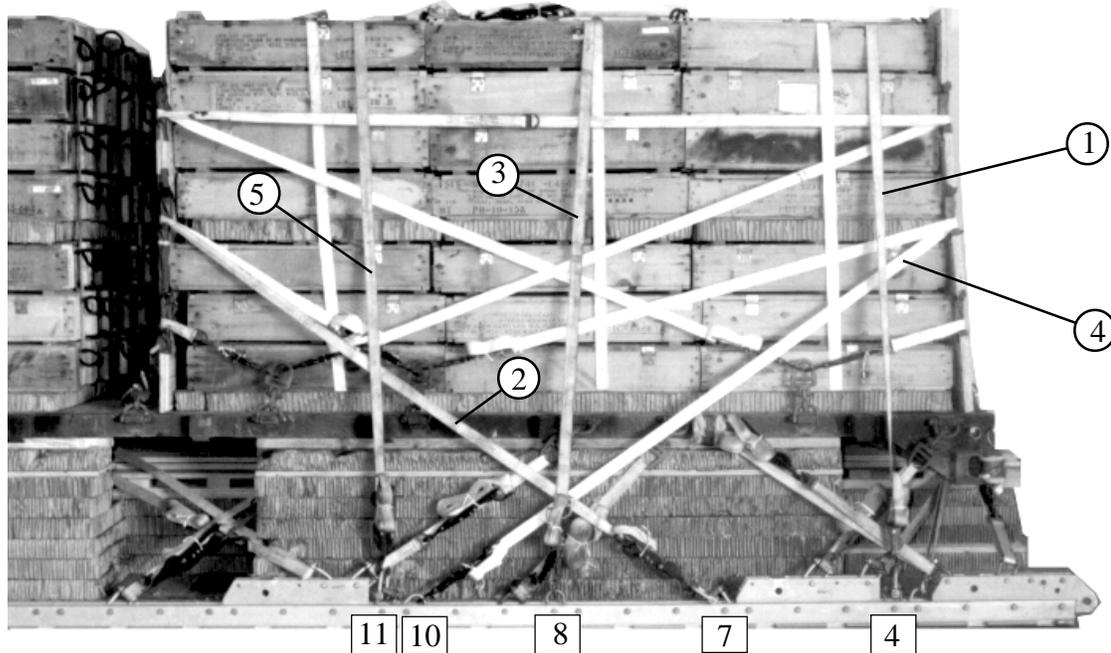
- ① Set an endboard against each end of the front stack of boxes. Center a 30-foot lashing on the front endboard and pass the free ends through the middle cutouts. Secure the ends to the fifth swivel rings with D-rings and load binders.
- ② Center a 30-foot lashing on the second endboard and pass the free ends through the middle cutouts. Secure the ends to the fifth swivel rings with D-rings and load binders.
- ③ Place a 15-foot lashing in the lower cutouts of the first endboard. Secure each end of the lashing to the second swivel rings with a load binder.
- ④ Center a 30-foot lashing on the second endboard and pass the free ends through the upper cutouts. Secure the ends to the second swivel rings with D-rings and load binders.
- ⑤ Place a 15-foot lashing in the lower cutouts of the second endboard. Secure each end of the lashing to the sixth swivel rings with a load binder.
- ⑥ Center a 30-foot lashing on the first endboard and pass the free ends through the upper cutouts. Secure the ends to the sixth swivel rings with D-rings and load binders.
- ⑦ Center a 30-foot lashing against the right side and pass the free ends through the upper cutouts in the right side of both endboards. Secure the ends to the left front clevis in the front tie-down point and to the seventh swivel ring on the left side with D-rings and load binders. Fasten the load binder to the platform clevis installed earlier.
- ⑧ Center a 30-foot lashing against the left side and pass the free ends through the upper cutouts in the left side of both endboards. Secure the ends to the right front clevis in the front tie-down point and to the seventh swivel ring on the right side with D-rings and load binders. Fasten the load binder to the platform clevis installed earlier.

Figure 18-12. Front boxes and endboards secured to pallet



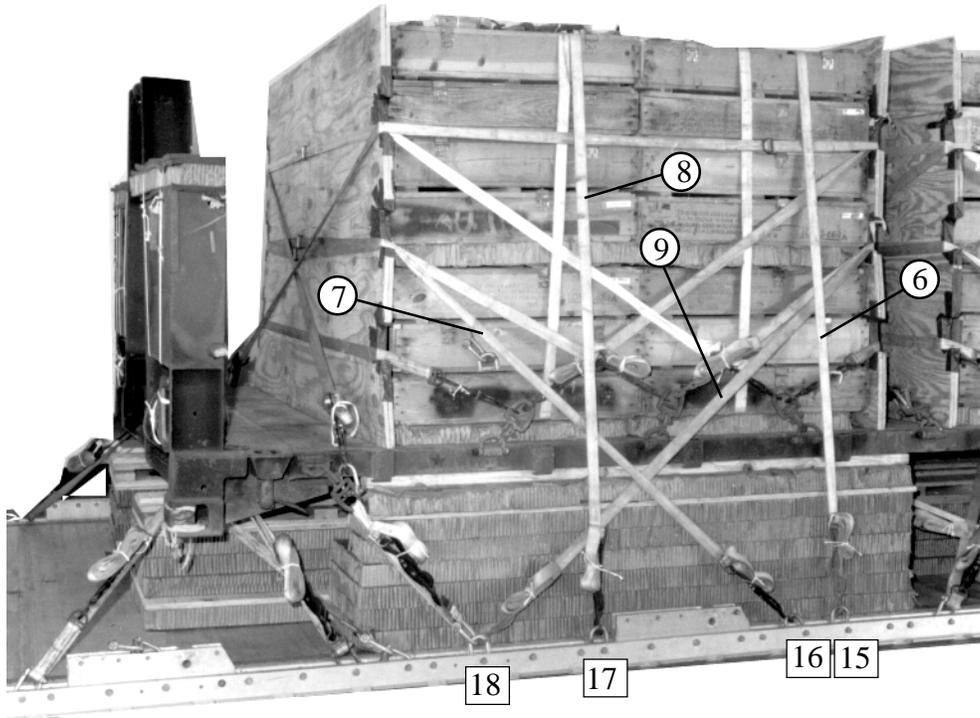
- ① Set an endboard against each end of the rear stack of boxes. Center a 30-foot lashing on the third endboard and pass the free ends through the middle cutouts. Secure the ends to the ninth swivel rings with D-rings and load binders.
- ② Center a 30-foot lashing on the fourth endboard and pass the free ends through the middle cutouts. Secure the ends to the ninth swivel rings with D-rings and load binders.
- ③ Place a 15-foot lashing in the lower cutouts of the third endboard. Secure the ends of the lashing to the eighth swivel rings with a load binder.
- ④ Center a 30-foot lashing on the fourth endboard and pass the free ends through the upper cutouts. Secure the ends to the eighth swivel rings with D-rings and load binders.
- ⑤ Place a 15-foot lashing in the lower cutouts of the fourth endboard. Secure the ends of the lashing to the tenth swivel rings with a load binder.
- ⑥ Center a 30-foot lashing on the third endboard and pass the free ends through the upper cutouts. Secure the ends to the tenth swivel rings with D-rings and load binders.
- ⑦ Center a 30-foot lashing against the right side and pass the free ends through the upper cutouts in the right side of both endboards. Secure the ends to the clevis on the eleventh swivel ring and to the seventh swivel ring on the left side with D-rings and load binders. Fasten the load binder to the remaining platform clevis installed earlier.
- ⑧ Center a 30-foot lashing against the left side and pass the free ends through the upper cutouts in the left side of both endboards. Secure the ends to the clevis on the eleventh swivel ring and to the seventh swivel ring on the right side with D-rings and load binders. Fasten the load binder to the remaining platform clevis installed earlier.

Figure 18-13. Rear boxes and endboards secured to pallet



Lashing Number	Tie-down Clevis Numbers	Instructions
1	4 and 4A	Pass 30-foot lashing: Over the load. Fit a D-ring to each free end, and secure to the clevises with load binders.
2	7 and 7A	Through the center cutouts in the second endboard. Fit a D-ring to each free end, and secure to the clevises with load binders.
3	8 and 8A	Over the load. Fit a D-ring to each free end, and secure to the clevises with load binders.
4	10 and 10A	Through the center cutouts in the first endboard. Fit a D-ring to each free end, and secure to the clevises with load binders.
5	11 and 11A	Over the load. Fit a D-ring to each free end, and secure to the clevises with load binders.

Figure 8-14. Load lashed to platform



Lashing Number	Tie-down Clevis Numbers	Instructions
6	15 and 15A	Pass 30-foot lashing: Over the load. Fit a D-ring to each free end, and secure to the clevises with load binders.
7	16 and 16A	Through the center cutouts in the fourth endboard. Fit a D-ring to each free end, and secure to the clevises with load binders.
8	17 and 17A	Over the load. Fit a D-ring to each free end, and secure to the clevises with load binders.
9	18 and 18A	Through the center cutouts in the third endboard. Fit a D-ring to each free end, and secure to the lower clevises with load binders.

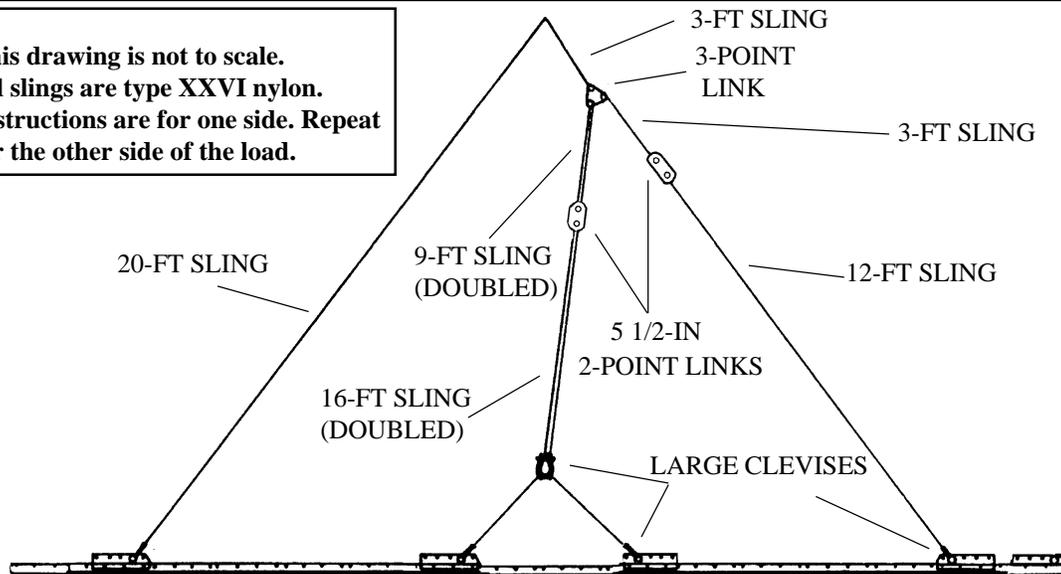
Figure 8-14. Load lashed to platform (continued)

18-8. Installing and Safetying Suspension Slings

Install the components of the centerline suspension system according to FM 10-500-2/TO 13C7-1-5, and as shown in Figure 18-15. Safety the suspension slings as shown in Figure 18-16.

Notes:

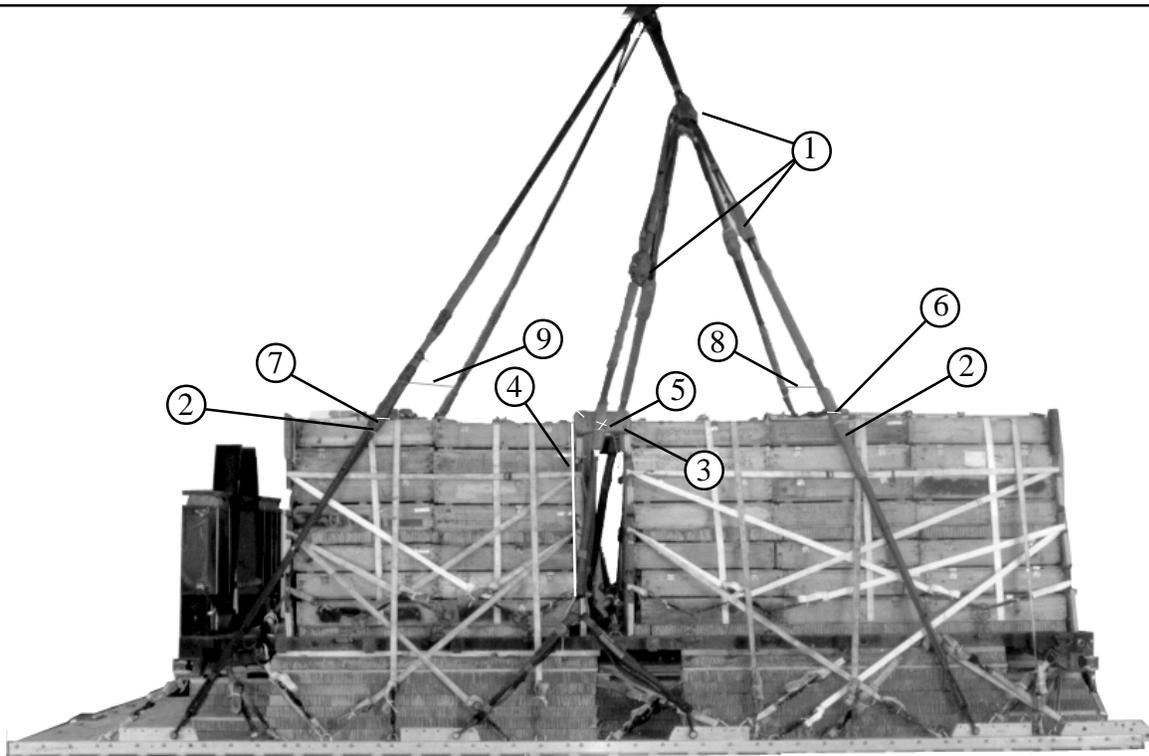
1. This drawing is not to scale.
2. All slings are type XXVI nylon.
3. Instructions are for one side of the load. Repeat for the other side of the load.



Step:

1. Place the end loop of a 12-foot (4-loop) sling in the bell of a large clevis. Bolt the clevis to the front suspension link. Connect the free end of the 12-foot sling to a 3-foot (4-loop) sling with a 5 1/2-inch two-point link.
2. Attach a 3-foot (4-loop) sling to each center suspension link with a large clevis. Place both 3-foot slings in the bell of a large clevis. Pass a 16-foot (2-loop) sling through one spool of a 5 1/2-inch two-point link. Place both ends of the 16-foot sling in the bolt of the large clevis.
3. Pass a 9-foot (2-loop) sling through a spool of a three-point link. Place both ends of the sling in the remaining spool of the two-point link used in step 2 above.
4. Bolt the 3-foot sling used in step 1 above to the three-point link so that the third spool points upward. Bolt a 3-foot (4-loop) sling to the upper spool of the three-point link.
5. Place the end loop of a 20-foot (4-loop) sling in the bell of a large clevis. Bolt the clevis to the rear suspension link.

Figure 18-15. Suspension slings installed

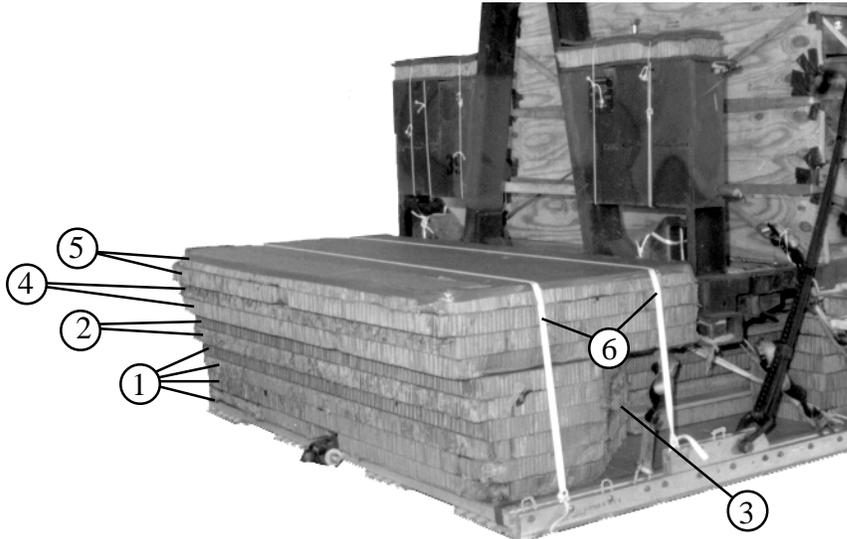


- ① Pad the two-point and three-point links with felt and tape. Raise the suspension slings.
- ② Pad the suspension slings where they pass over the corners of the load with felt and tape.
- ③ Measure and cut two pieces of 2- by 12-inch lumber long enough to bridge the gap between the endboards. Nail the lumber securely to the endboards flush with the top edges. Pad the lumber with cellulose wadding and tape.
- ④ Tie a length of type III nylon cord to the center clevis on one side. Pass the cord over the load, and tie it to the center clevis on the other side so that both clevises are supported.
- ⑤ Tie the center suspension slings to the padded lumber placed in step 3 above with type III nylon cord.
- ⑥ Tie the front suspension slings to each other over the load with a length of type III nylon cord.
- ⑦ Tie the rear suspension slings to each other over the load with a length of type III nylon cord.
- ⑧ Tie the front suspension slings to each other 12 inches above the load with 1/2-inch tubular nylon webbing.
- ⑨ Tie the rear suspension slings to each other 12 inches above the load with 1/2-inch tubular nylon webbing.

Figure 18-16. Suspension slings safetied

18-9. Building Parachute Stowage Platform

Build the parachute stowage platform as shown in Figure 18-17.

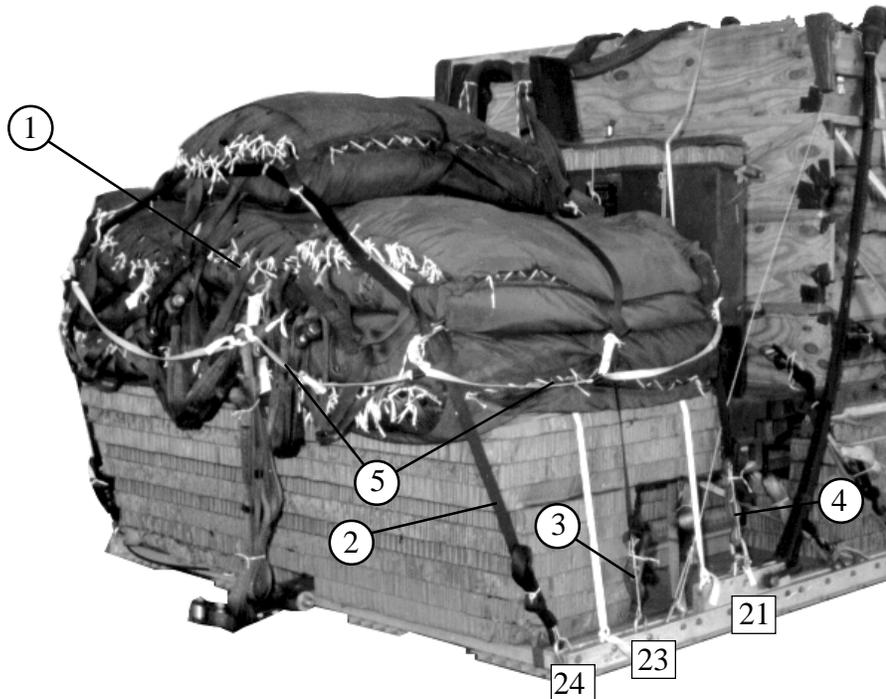


- ① Alternate and glue four 96- by 36-inch and four 96- by 6-inch pieces of honeycomb to form a four-layer base 96- by 42 inches.
- ② Alternate and glue two 96- by 36-inch and two 96- by 8-inch pieces of honeycomb to form two 96- by 44-inch pieces. Place these layers over the base and flush with the front edge.
- ③ Cut the front corners of the honeycomb placed in steps 1 and 2 above to allow for the lashings.
- ④ Alternate and glue two 96- by 36-inch and two 96- by 10-inch pieces of honeycomb to form two 96- by 46-inch pieces. Place these layers over the base and flush with the front edge.
- ⑤ Alternate and glue two 96- by 36-inch and two 96- by 12-inch pieces of honeycomb to form two 96- by 48-inch pieces. Place these layers over the base and flush with the front edge.
- ⑥ Secure the parachute stowage platform to the rails with a length of 1/2-inch tubular nylon webbing tied to the fourth bushing on each rear suspension link, and to bushing 47 on each side.

Figure 18-17. Parachute stowage platform built and placed

18-10. Installing Cargo Parachutes

Install seven G-11C cargo parachutes according to FM 10-500-2/TO 13C7-1-5, and as shown in Figure 18-18.

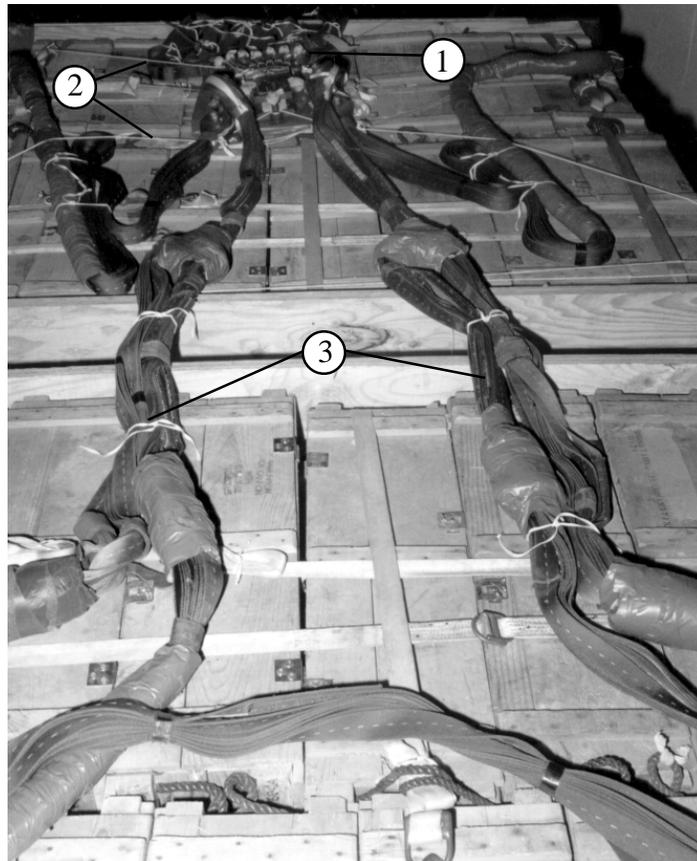


- ① Cluster seven G-11C cargo parachutes on the parachute stowage platform.
- ② Secure the rear restraint strap to clevises 24 and 24A with D-rings and load binders. Secure the load binders to the clevises with type III nylon cord.
- ③ Secure the center restraint strap to clevises 23 and 23A with D-rings and load binders. Secure the load binders to the clevises with type III nylon cord.
- ④ Secure the front restraint strap to clevises 21 and 21A with D-rings and load binders. Secure the load binders to the clevises with type III nylon cord.
- ⑤ Install the parachute release knives.

Figure 18-18. Cargo parachutes installed

18-11. Installing Parachute Release

Prepare and install an M-2 cargo parachute release as shown in Figure 18-19, and according to FM 10-500-2/TO 13C7-1-5.

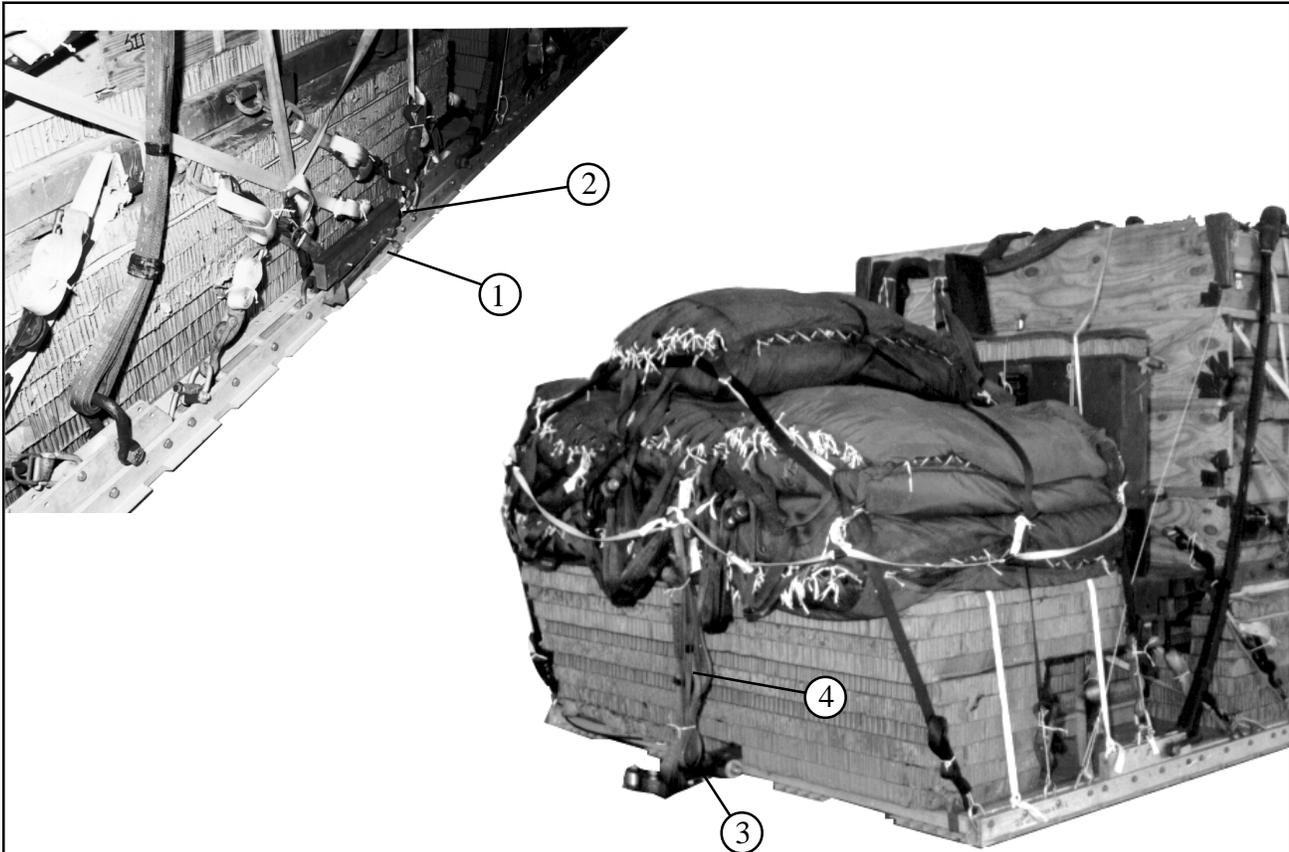


- ① Center a 24- by 36-inch piece of felt on top of the load with a 24-inch side against the fourth endboard. Place the M-2 release on the felt.
- ② Attach the suspension slings and riser extensions to the M-2 release. Secure the release to the load with type III nylon cord.
- ③ S-fold and tie any slack in the suspension slings with type I, 1/4-inch cotton webbing.

Figure 18-19. M-2 release installed

18-12. Installing Extraction System

Prepare and install the EFTC extraction system as shown in Figure 18-20, and according to FM 10-500-2/TO 13C7-1-5.



- ① Install the actuator mounting brackets to the rear holes in the left platform side rail.
- ② Install a 24-foot cable to the actuator. Install the actuator to the brackets.
- ③ Attach the latch assembly to the extraction bracket. Attach the cable to the latch assembly.
- ④ Install a 9-foot (2-loop), type XXVI nylon webbing sling as the deployment line. S-fold and tie the excess in two places with type I, 1/4-inch cotton webbing.

Figure 18-20. EFTC installed

18-13. Installing Provisions for Emergency Restraints

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

18-14. Placing Extraction Parachute

Select the extraction parachute and extraction line needed using the extraction line requirements table in FM 10-500-2/TO 13C7-1-5. Place the extraction parachute and extraction line on the load for installation in the aircraft.

18-15. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5, and as shown in Figure 18-21. Complete Shipper's Declaration for Dangerous Goods and attach it to the load.

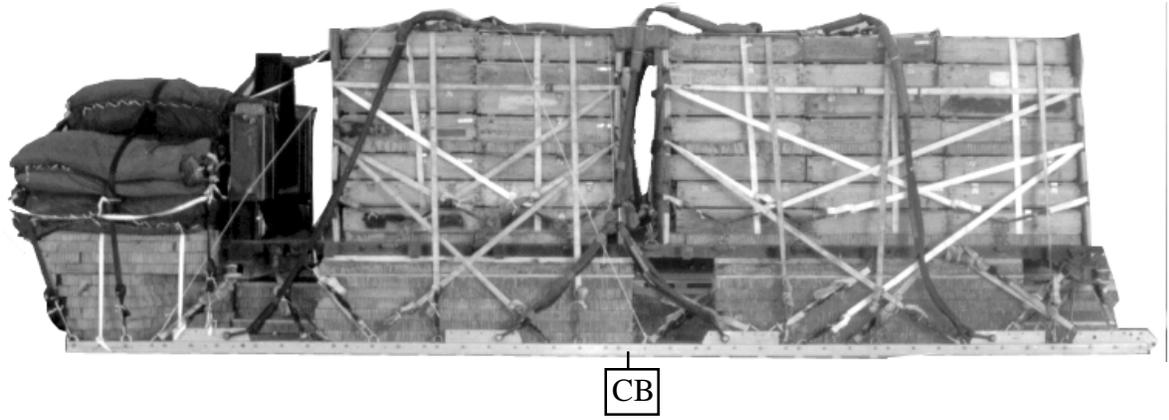
CAUTION

The load weight may vary from the one shown, depending upon the mass supplies being rigged. Be sure that the load is weighed, and the parachute requirements, CB, and tip-off curve recomputed.

18-16. Equipment Required

Use the equipment listed in Table 18-1 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.



Rigged Load Data

Weight:	Load shown	33,343 pounds
Height		97 inches
Width		108 inches
Length		310 inches
Overhang:	Front	0 inches
	Rear	22 inches
CB (from front edge of platform)		132 inches
Extraction System (adds 18 inches to length of platform)		EFTC

Figure 18-21. PLS pallet with 105-millimeter ammunition rigged on a 24-foot platform for low-velocity airdrop

Table 18-1. Equipment required for rigging PLS with 105-millimeter ammunition on a 24-foot, type V platform for low-velocity airdrop

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive paste, 1-gal	As required
4030-00-090-5354	Clevis, suspension, 1-in (large)	14
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5782	Coupling, airdrop, extraction force transfer with cable, 24-ft	1
	Cover:	
1670-00-360-0328	Clevis, large	1
1670-00-360-0329	Link, type IV	8
8305-00-958-3685	Felt, 1/2-in thick	As required
1670-01-183-2678	Leaf, extraction line (line bag)	2
	Line, drogue (for C-17)	
1670-01-062-6313	60-ft (3-loop), type XXVI	1
	Line, extraction	
1670-01-064-4454	For C-130: 60-ft (6-loop), type XXVI	1
1670-01-062-6312	For C-141: 120-ft (6-loop), type XXVI	1
	For C-5:	
1670-01-062-6312	120-ft (6-loop), type XXVI and	1
1670-01-064-4454	60-ft (6-loop), type XXVI	1
No NSN	For C-17: 140-ft (6-loop), type XXVI	1
	Link assembly:	
1670-00-006-2752	Four-point	1
1670-01-307-0155	Three-point	2
1670-00-783-5988	Type IV	8
	Two-point, 5 1/2-in	
5306-00-435-8994	Bolt, 1-in diam, 4 in long	8
5310-00-232-5165	Nut, 1-in, hexagonal	8
1670-00-003-1954	Plate, side, 5 1/2-in	8
5365-00-007-3414	Spacer, large	8
	Lumber:	
5510-00-220-6146	2- by 4-in	As required
5510-00-220-6520	2- by 12-in	As required
5315-00-010-4659	Nail, steel wire, 8d	As required

Table 18-1. Equipment required for rigging PLS with 105-millimeter ammunition on a 24-foot, type V platform for low-velocity airdrop (continued)

National Stock Number	Item	Quantity
1670-00-753-3928	Pad, energy-dissipating, honeycomb 3- by 36- by 96-in	46 sheets
	Parachute:	
1670-01-016-7841	Cargo, G-11C	7
1670-00-040-8135	Cargo extraction, 28-ft	2
1670-01-063-3715	Drogue, 15-ft (for C-17)	1
	Platform, airdrop, type V, 24-foot	
1670-01-353-8425	Bracket assembly, coupling	(1)
1670-01-162-2372	Clevis assembly, type V	(68)
1670-01-353-8424	Extraction bracket assembly	(1)
1670-01-162-2381	Link, tandem, suspension link assembly	(2)
1670-01-247-2389	Link, suspension bracket, type V	(8)
5530-00-128-4981	Plywood, 3/4- by 48- by 96-in	11 sheets
1670-01-097-8817	Release, cargo parachute, M-2	1
	Sling, cargo airdrop	
	For suspension:	
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing	8
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing	2
1670-01-062-6307	12-ft (4-loop), type XXVI nylon webbing	2
1670-01-063-7761	16-ft (2-loop), type XXVI nylon webbing	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	2
	For deployment:	
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing	1
	For riser extension:	
1670-01-062-6311	120-ft (2-loop), type XXVI nylon webbing	7
5340-00-040-8219	Strap, parachute release, multi-cut, comes w/ 3 knives	2
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tie-down assembly, 15-ft	65
	Webbing:	
8305-00-268-2411	Cotton, 1/4-in, type	As required
8305-00-082-5752	Nylon, tubular, 1/2-in	As required
8305-00-261-8584	Type X	As required