

The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-93.

120-Millimeter Ammunition

- Cartridge, 120-mm, HE, M934 with or w/o Fuze M734A1 (DODAC 1315-C379)
- Cartridge, 120-mm, HE, M933 with or w/o Fuze M734A1 (DODAC 1315-C623)
- Cartridge, 120-mm, M929, Smoke, WP, w/ Fuze M74 or Fuze M734A1 (DODAC 1315-C624)

Figure 2-93. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

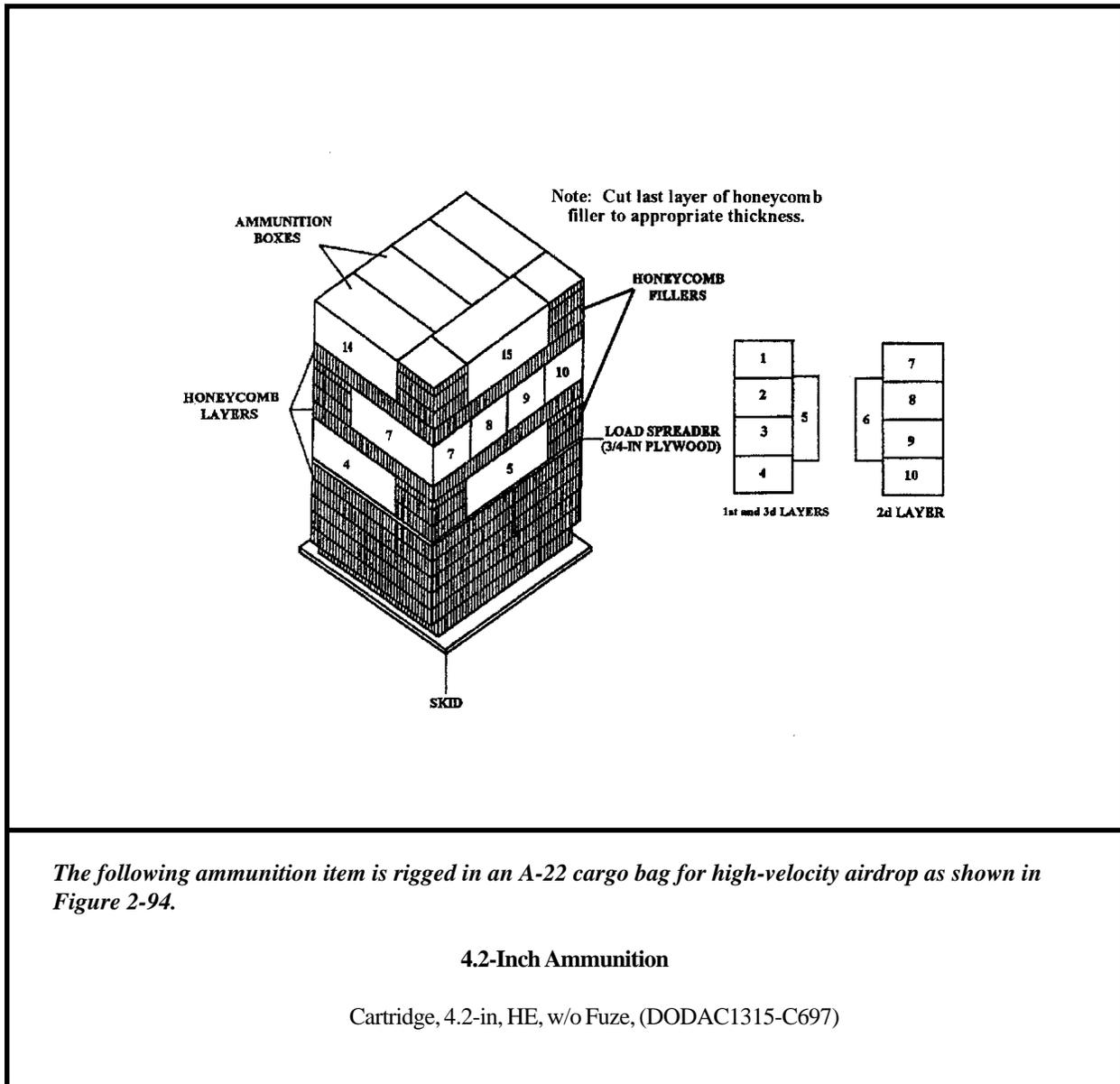


Figure 2-94. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-100.

155-Millimeter Ammunition

Cartridge, Propelling, 155-mm, M19, (DODAC 1320-D480)
 Projectile, 155-mm, Gas, Persistent, HD, M104, (DODAC 1320-D484)
 Projectile, 155-mm, HE, M101, (DODAC 1320-D485)
 Projectile, 155-mm, Smoke, WP, M104, (DODAC 1320-D487)
 Reducer, Flash, Propelling Charge, M1, (DODAC 1320-D490)
 Projectile, 155-mm, HE, ADAM, M692, (DODAC 1320-D501)
 Projectile, 155-mm, HE, ADAM, M731, (DODAC 1320-D502)
 Projectile, 155-mm, AT, RAAMS, M718, (DODAC 1320-D503)
 Projectile, 155-mm, Illuminating, M485A2, (DODAC 1320-D505)
 Projectile, 155-mm, HC, HE, M116E2, (DODAC 1320-D506)
 Projectile, 155-mm, AT, RAAMS, M741, (DODAC 1320-D509)
 Projectile, 155-mm, HE, RAAM-L, M718A1, (DODAC 1320-D515)
 Projectile, 155-mm, Smoke, WP, M825, (DODAC 1320-D528)
 Projectile, 155-mm, M795, (DODAC 1320-D529)
 *Charge, Propelling, 155-mm, M203A1, (DODAC 1320-D532)
 *Charge, Propelling, 155-mm, M119A1 and M119A2, (DODAC 1320-D533)
 *Charge, Propelling, 155-mm, M3 and M3A1, (DODAC 1320-D540)
 *Charge, Propelling, 155-mm, M4A1 and M4A2, (DODAC 1320-D541)
 Projectile, 155-mm, HE, M107, (DODAC 1320-D544)
 Projectile, 155-mm, Smoke, HC, BE, M116, (DODAC 1320-D548)
 *Projectile, 155-mm, Smoke, WP, M110, (DODAC 1320-D550)
 Reducer, Flash, Propelling Charge, M2, (DODAC 1320-D552)
 Dummy, Projectile, 155-mm, M7, (DODAC 1320-D553)
 Projectile, 155-mm, HE, M449A1, (DODAC 1320-D562)
 Projectile, 155-mm, HE, M483A1, (DODAC 1320-D563)
 Projectile, 155-mm, HE, RA, M549, (DODAC 1320-D579)
 Projectile, 155-mm, M864, (DODAC 1320-D864)
 Fuze, Electronic Time, M762, (DODAC 1320-N289)
 Fuze, Electronic Time, M767, (DODAC 1320-N290)
 Fuze, Delay, Mod 1, PD, Mk399, (DODAC 1390-N659)

Note: The required fuzes and primers may be rigged as part of the load; however, only those fuzes and primers listed in Table 1-3 are authorized to be airdropped.

*The old and new type propelling charge container may be rigged.

Figure 2-100. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)

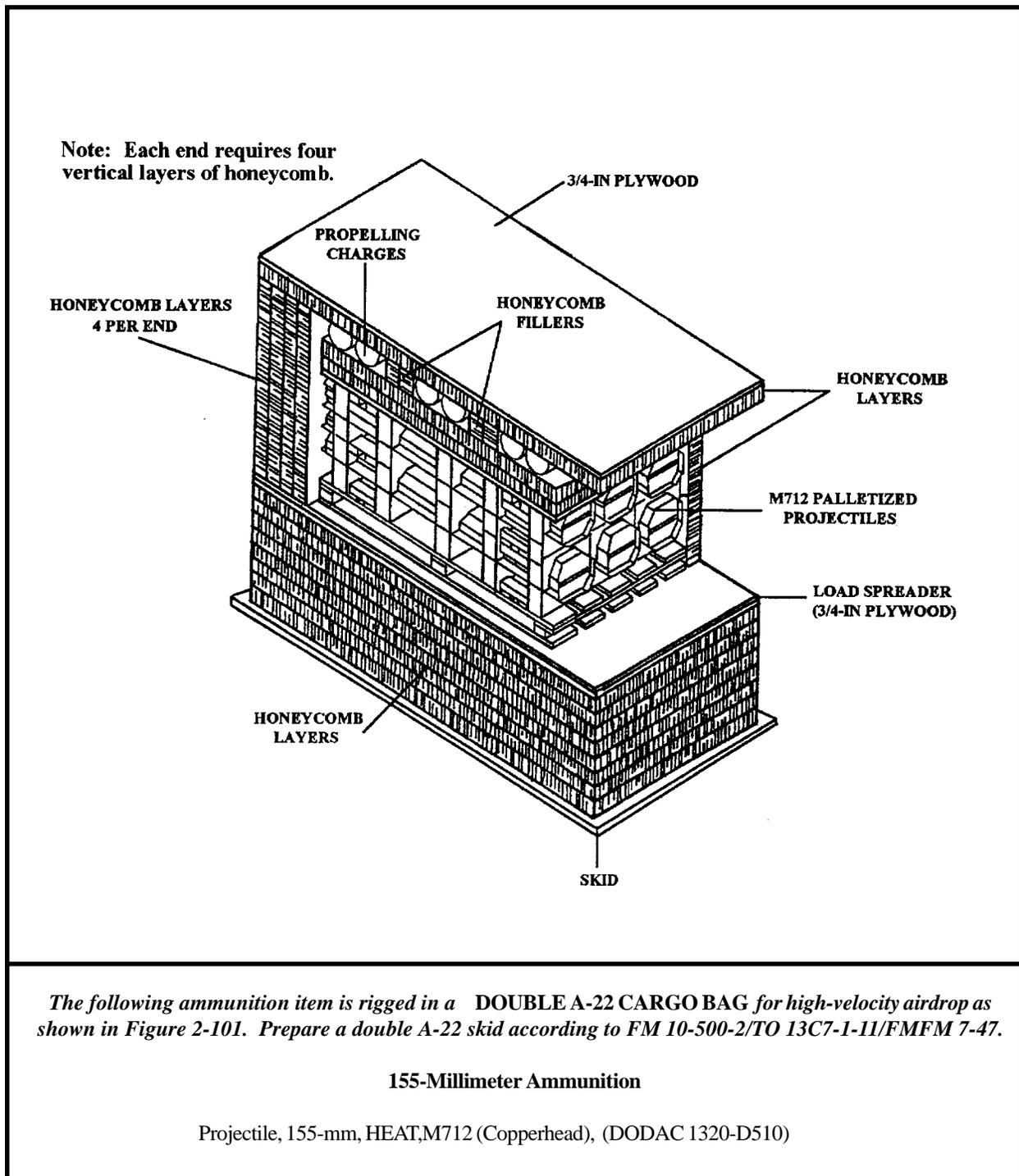


Figure 2-101. Ammunition layout in a DOUBLE A-22 CARGO BAG for high-velocity airdrop

The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-103.

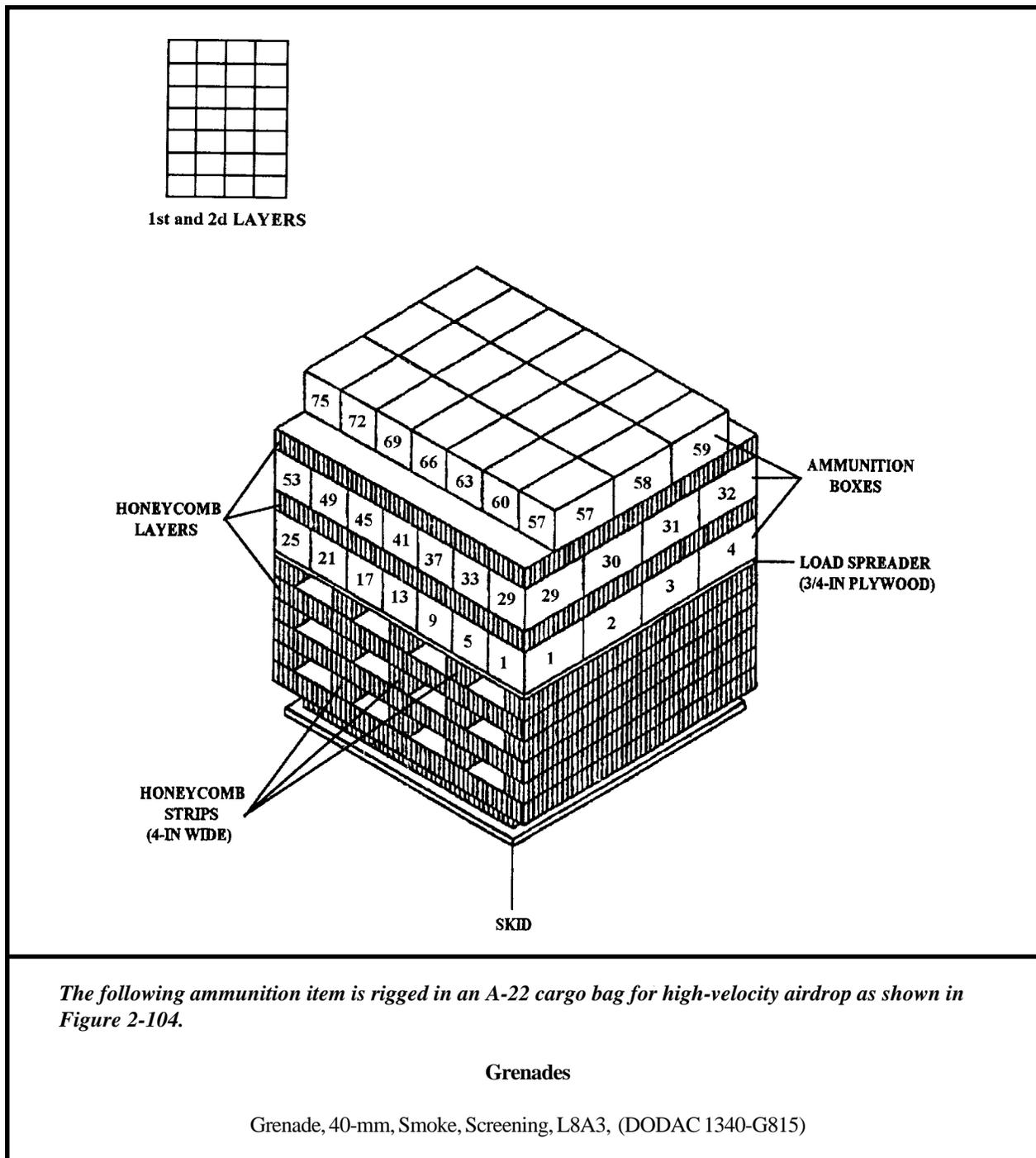
8-Inch Ammunition

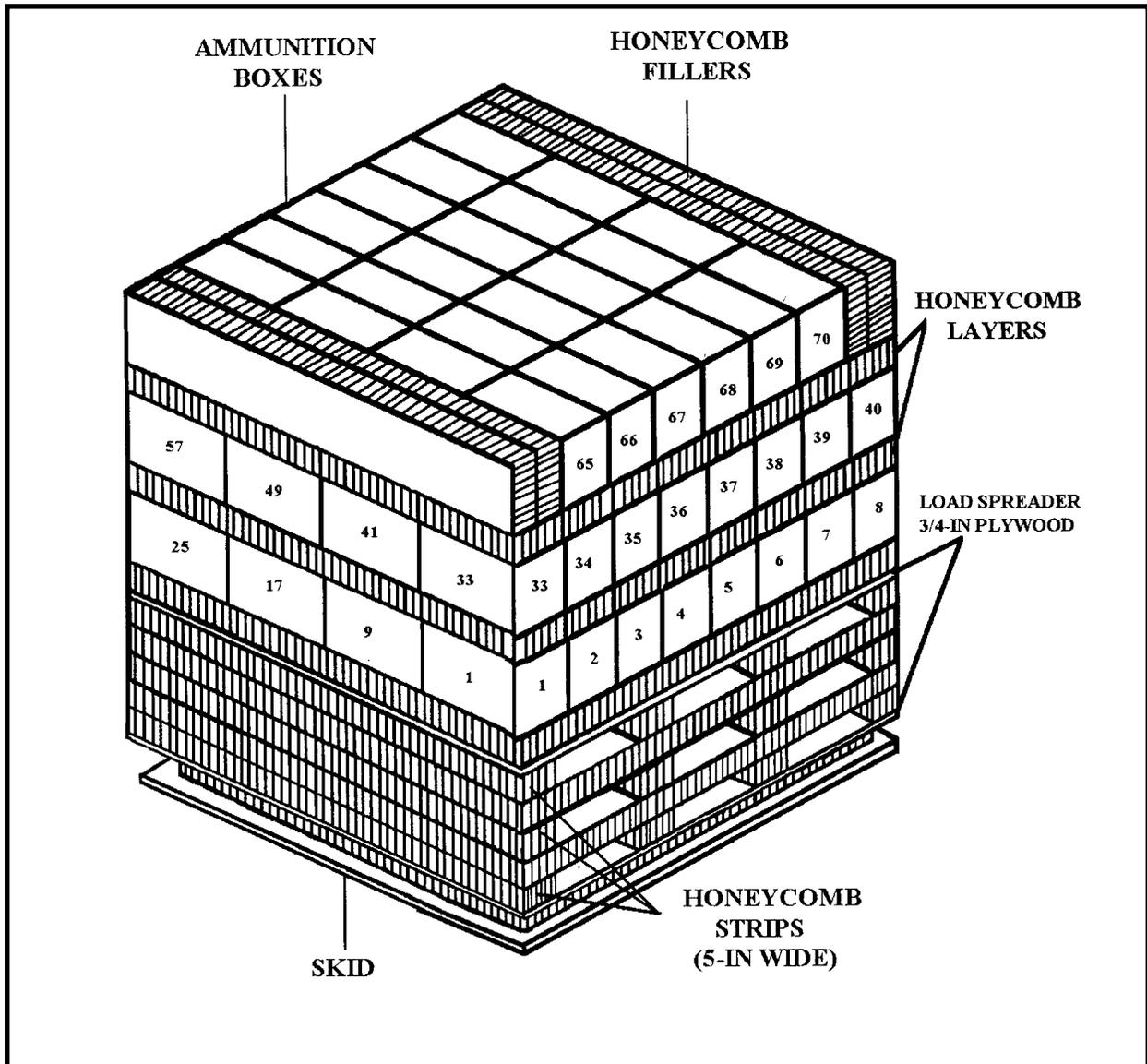
*Cartridge, Propelling, 8-in, M188, (DODAC 1320-D661)
Cartridge, Propelling, 8-in, M188A1, (DODAC 1320-D662)
Cartridge, Propelling, 8-in, M1, (DODAC 1320-D675)
Cartridge, Propelling, 8-in, M2, (DODAC 1320-D676)
Projectile, 8-in, HE, M106 (DODAC 1320-D680)
Reducer, Flash, Propelling Charge, M3, (DODAC 1320-D681)
Projectile, 8-in, HE, M106, (DODAC 1320-D684)
Fuze, Delay, MOD 1, PD, Mk399, (DODAC 1320-D661)

Note: Required fuzes are rigged with the load.

*The old or new type propelling charge containers may be rigged.

Figure 2-103. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)



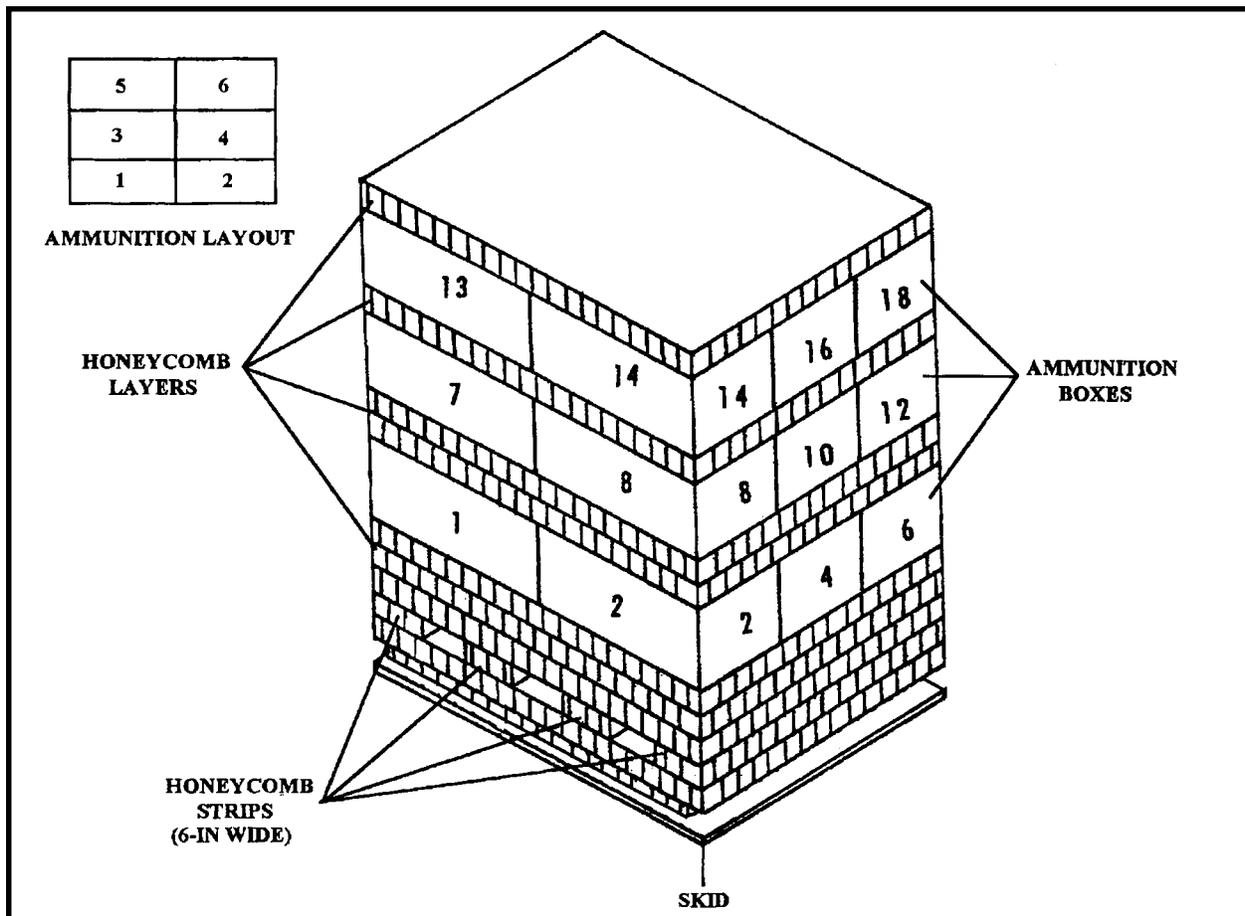


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-107

Grenades

Grenade, Launcher, Smoke, MM/IR, Screening, XM81, (DODAC 1330-GG01)

Figure 2-107. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-108.

Grenades

Launcher and Grenade, Smoke, HC,WP, M176, (DODAC 1330-HO50)

Mines

CAUTION

The M14 mine will contaminate the drop zone if the parachute malfunctions.

Mine, Antipersonnel, MN, M14, (DODAC 1345-K121)

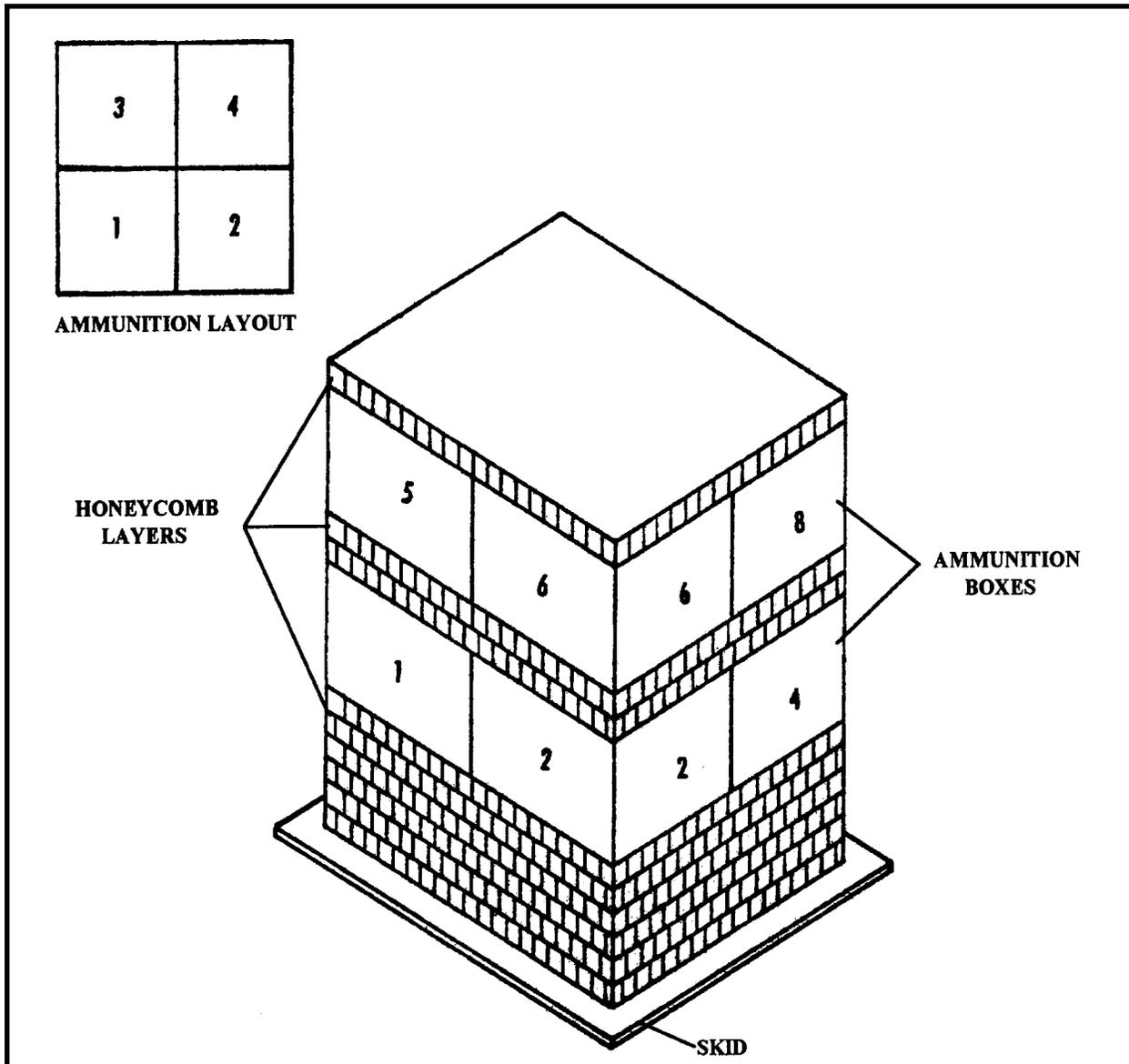
Mine, Antitank, HEAT, Heavy, M15 with fuze M603, (DODAC 1345-K180)

Signal Items

Flare, Surface, M49A1, Trip, (DODAC 1370-L495)

Cap, Blasting, Special, Non-Electric, M7, (DODAC 1375-M131)

Detonator, Percussion, M1A2, 15-sec Delay, (DODAC 1375-M450)

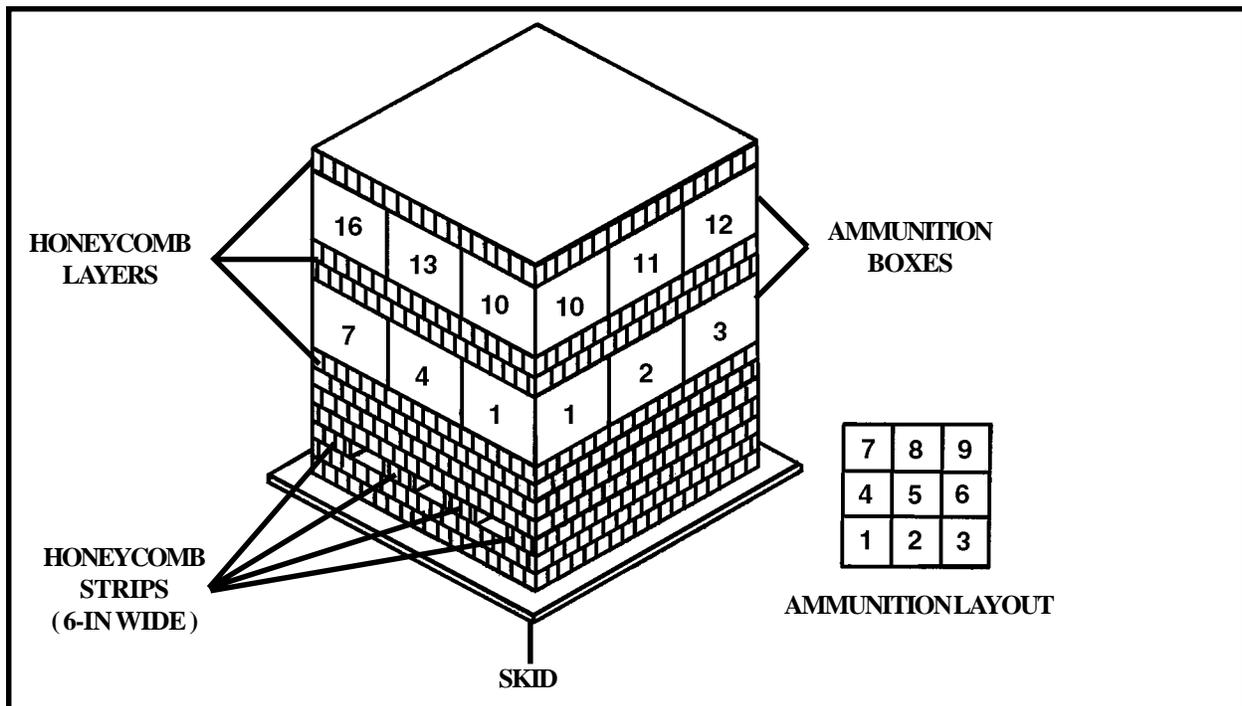


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-124.

Demolition Items

Charge, Demolition, Roll Type, XM-186, (DODAC 1375-M060)
 Cap, Blasting, Special, Electric, M6, (DODAC 1375-M130)

Figure 2-124. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-125.

60-Millimeter Ammunition

- Cartridge, 60-mm, HE, M720, (DODAC 1310-B642)
- Cartridge, 60-mm, Smoke, WP, M722, (DODAC 1310-B646)
- Cartridge, 60-mm, Illuminating, M721, (DODAC 1310-B647)
- Cartridge, 60-mm, Infrared, Illuminating, M767, (DODAC 1310-BA04)

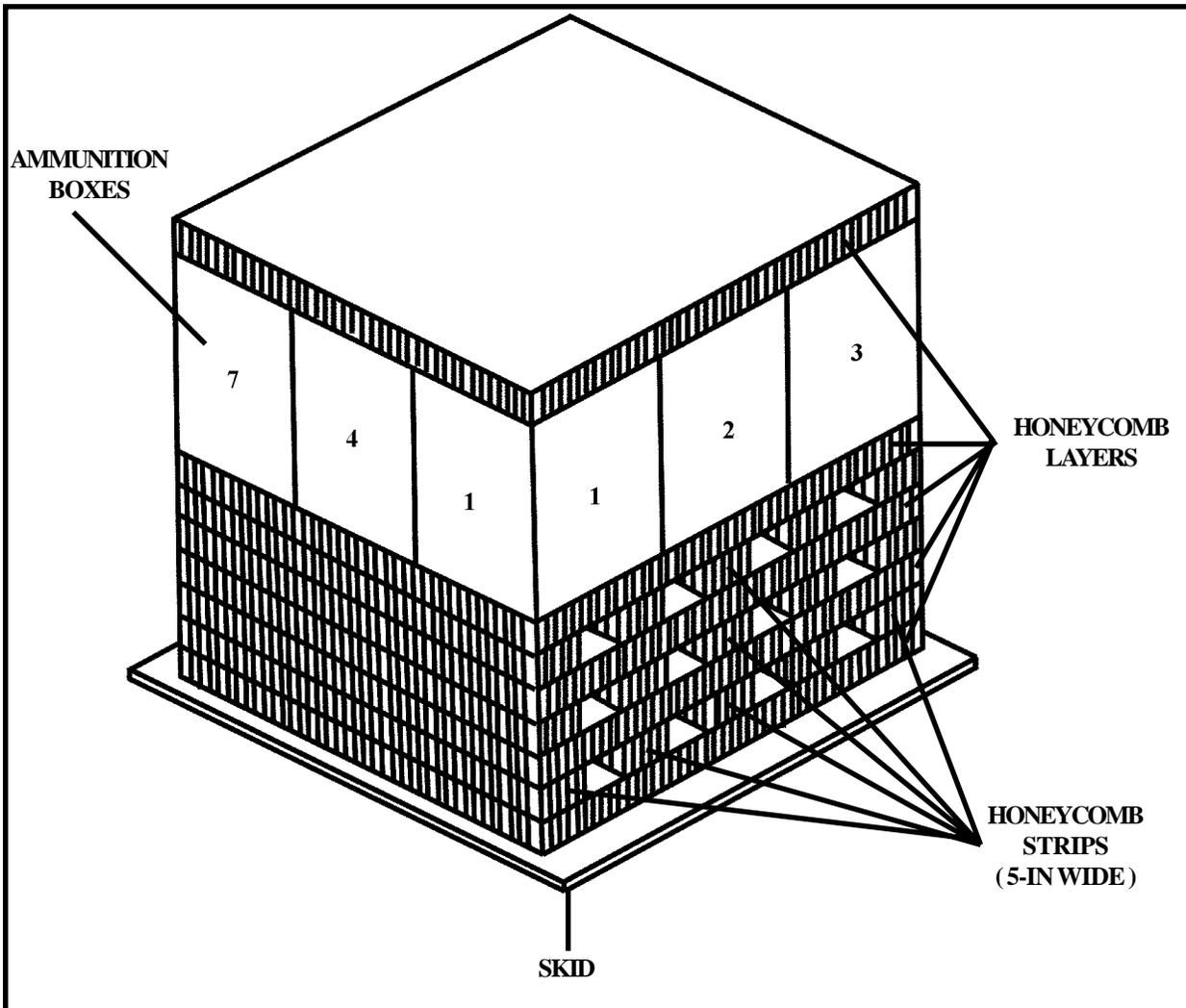
Signal Items

- Signal, Illuminating, Ground, M195, Green Star, (DODAC 1370-L305)
- Signal, Illuminating, Ground, M158, Red Star, (DODAC 1370-L306)
- Signal, Illuminating, Ground, M159, White Star, (DODAC 1370-L307)
- Signal, Illuminating, Ground Parachute, M126A1, (DODAC 1370-L311)
- Signal, Illuminating, Ground Parachute, M127A1, White Star, (DODAC 1370-L312)
- Signal, Illuminating, Ground, Cluster, M125A1, (DODAC 1370-L314)
- Signal, Smoke, Parachute, M129A1, Red, (DODAC 1370-L323)
- Signal, Smoke, Parachute, M128A1, Green, (DODAC 1370-L324)

Demolition Item

- Destructor, Explosive, Universal, M10, (DODAC 1375-M241)

Figure 2-125. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

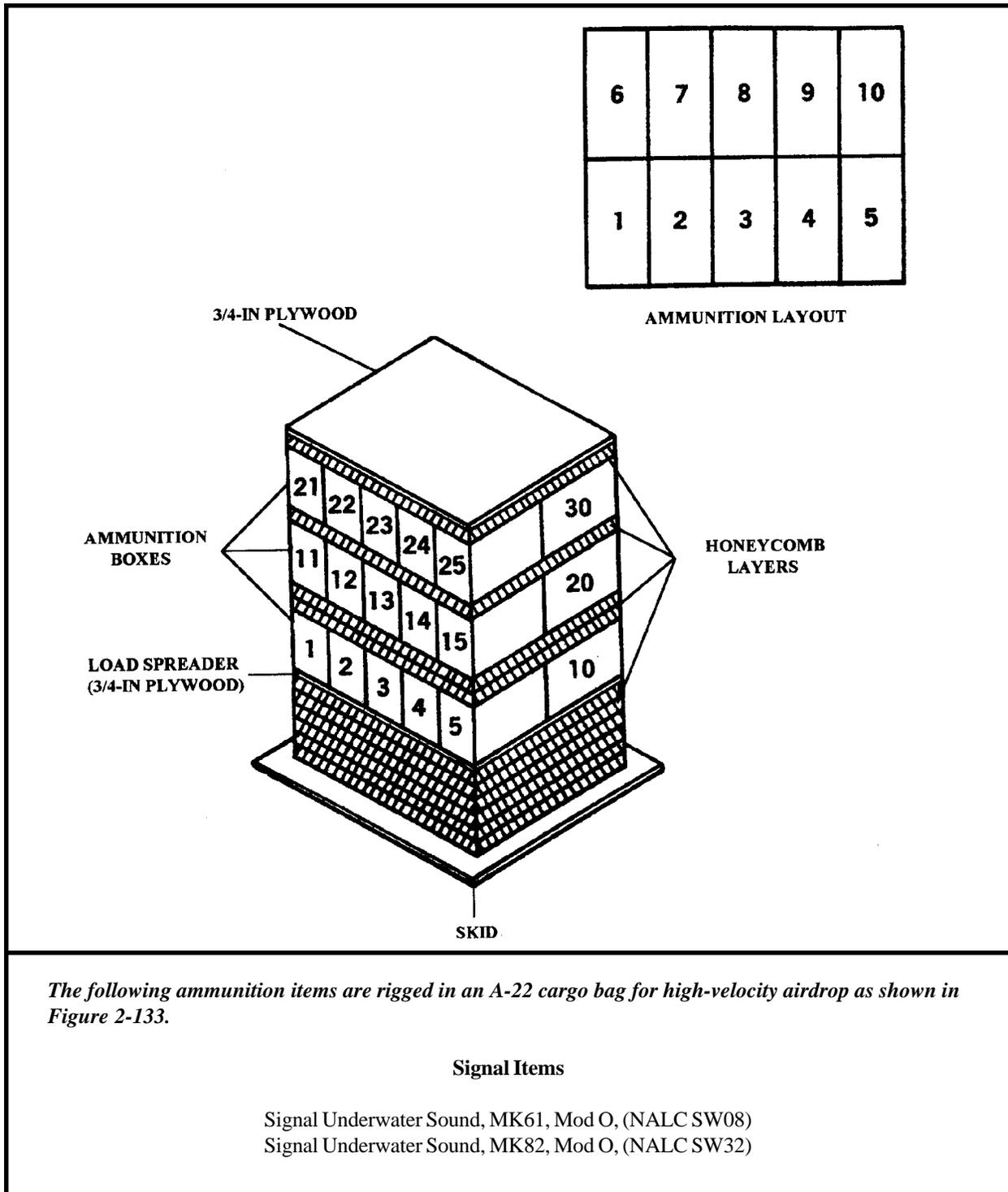


The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-125.1

60-Millimeter Ammunition

Cartridge, 60-mm, HE, M720E1 with M734A1 Fuze, (DODAC 1310-B642)

Figure 2-125.1. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

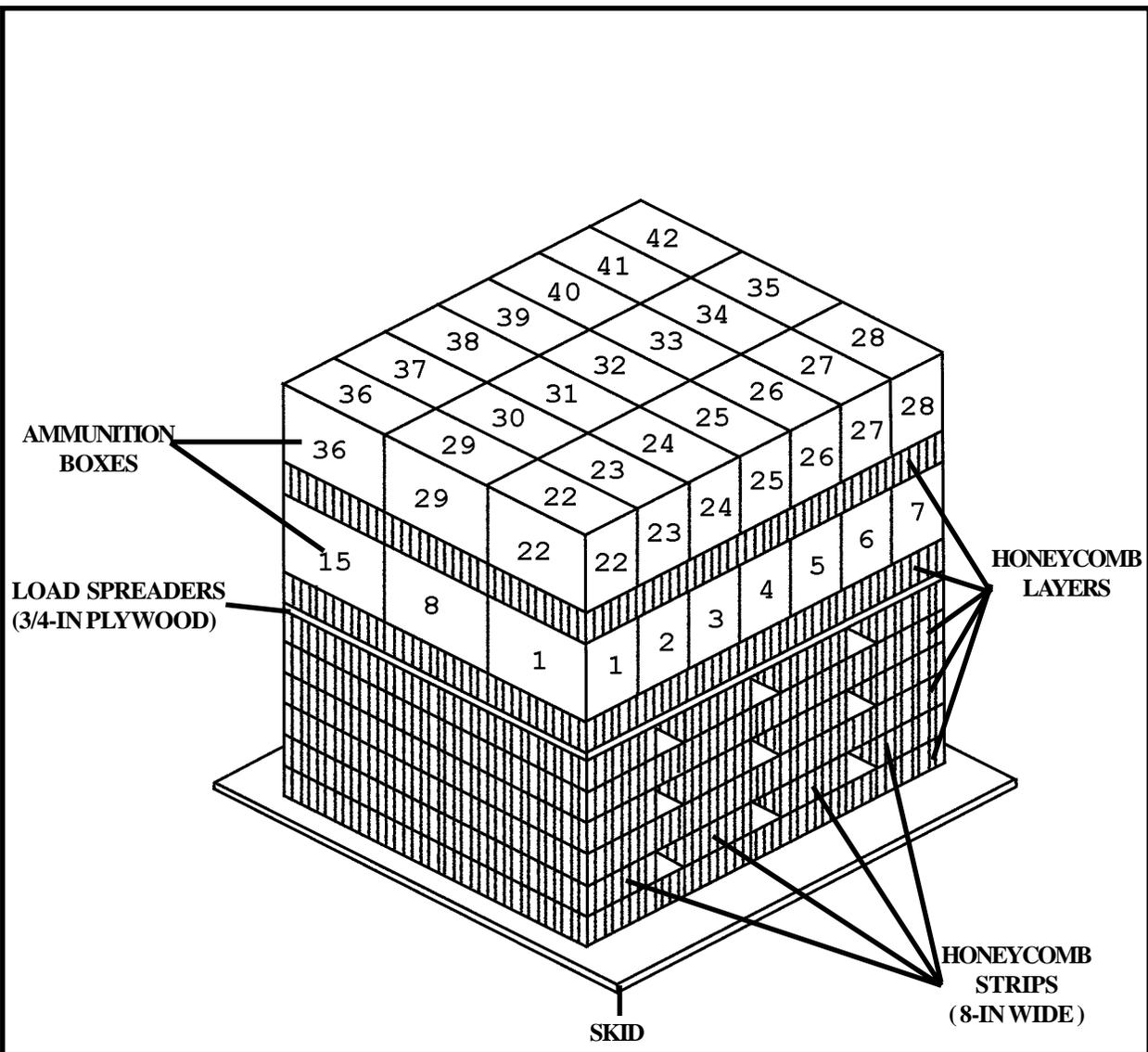


The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-133.

Signal Items

- Signal Underwater Sound, MK61, Mod O, (NALC SW08)
- Signal Underwater Sound, MK82, Mod O, (NALC SW32)

Figure 2-133. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

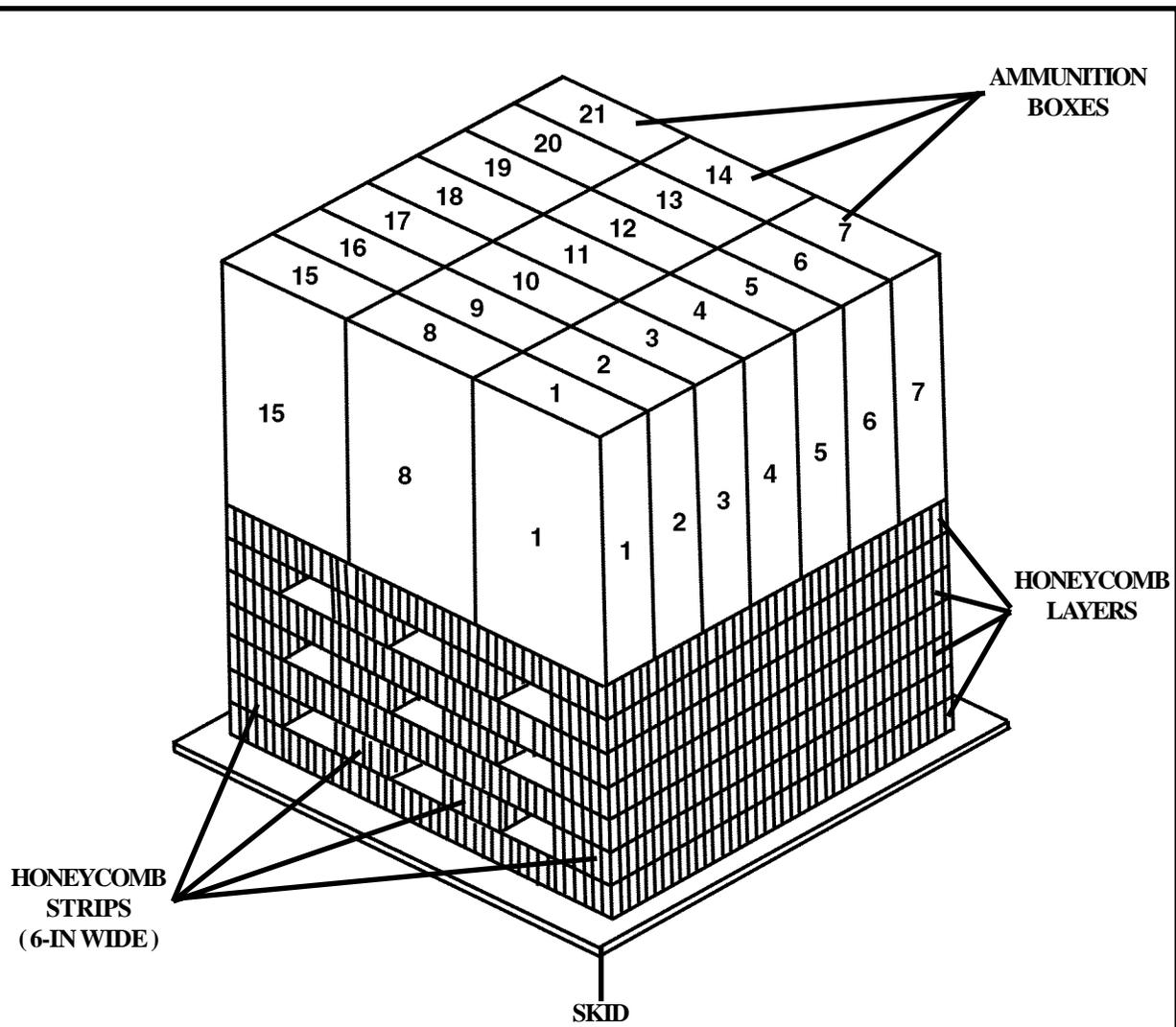


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-134.

Fuzes and Primers

Fuze, Delay, PD, MOD 1, MK399, (DODAC 1390-N659)

Figure 2-134. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

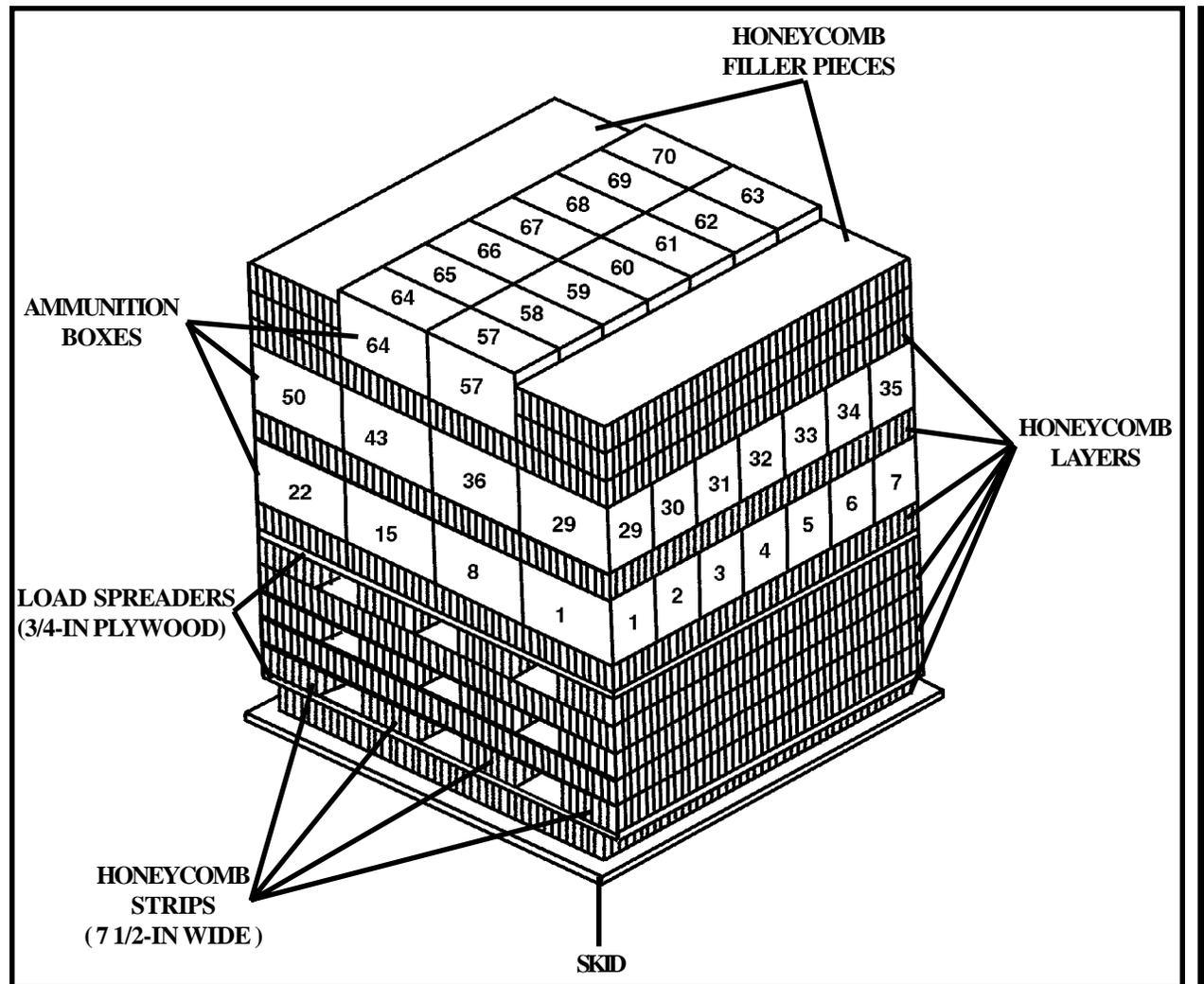


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-135.

81-Millimeter Ammunition

- Cartridge, 81-mm, HE, M821A1/M821A2 with Fuze, M734A1, (DODAC 1315-C868)
- Cartridge, 81-mm, HE, M889A1, (DODAC 1315-C869)

Figure 2-135. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

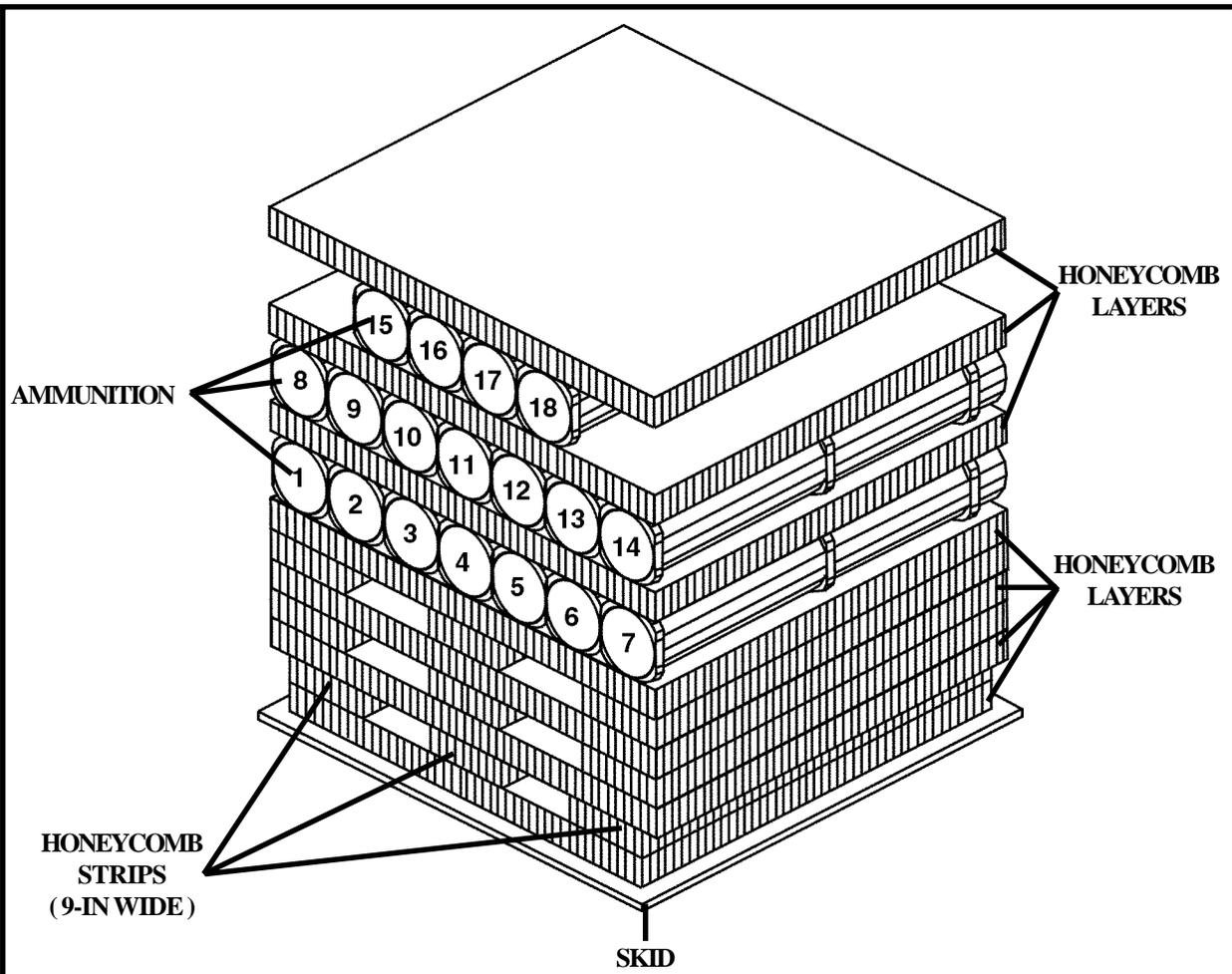


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-136.

Grenades

Launcher and Grenade, Smoke, Screening, TA, M90, (DODAC 1330-GG03)

Figure 2-136. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

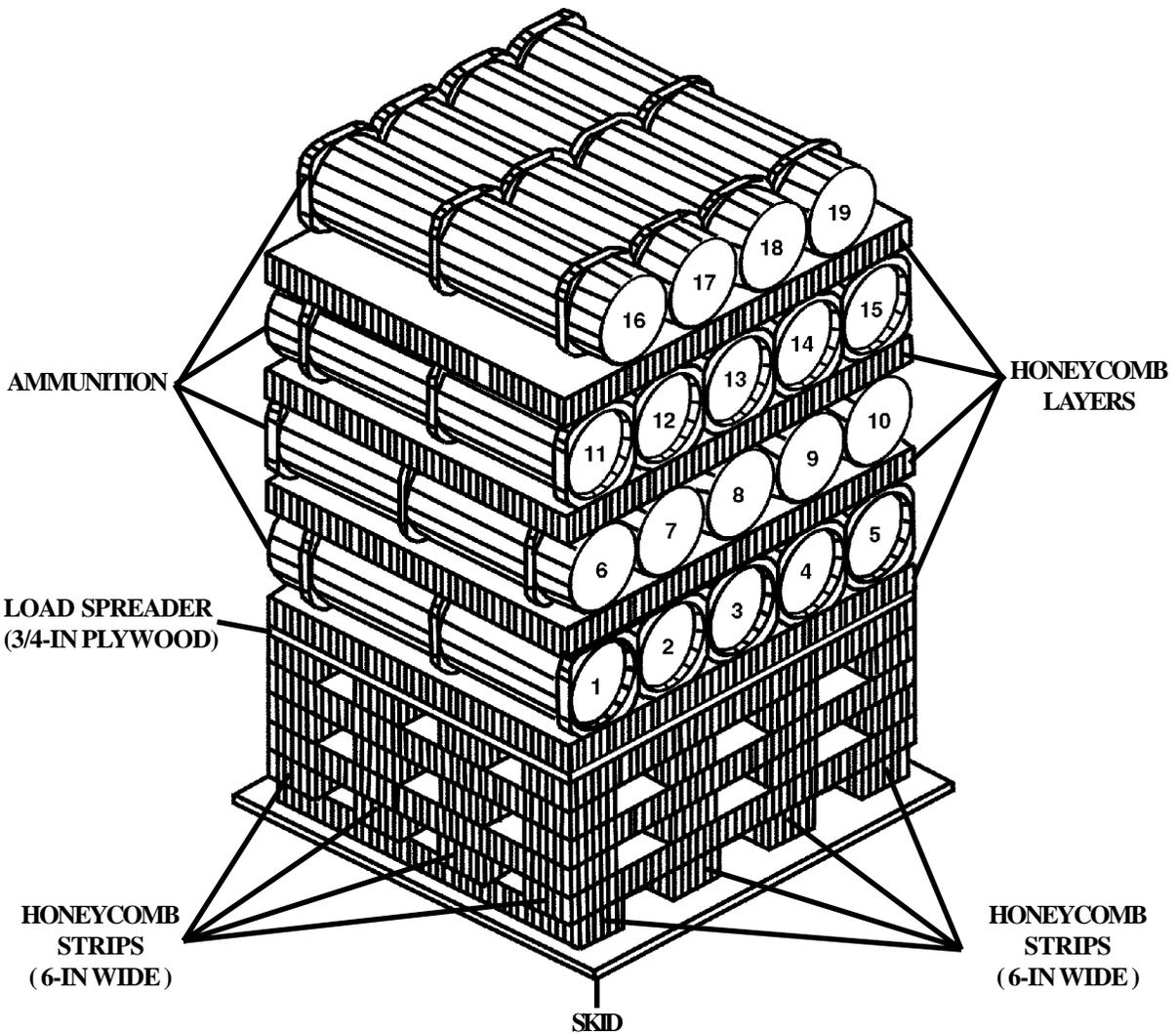


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-137.

105-Millimeter Ammunition

Cartridge, 105-mm, HERA, M913 in PA117 Containers, (DODAC 1315-C546)

Figure 2-137. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

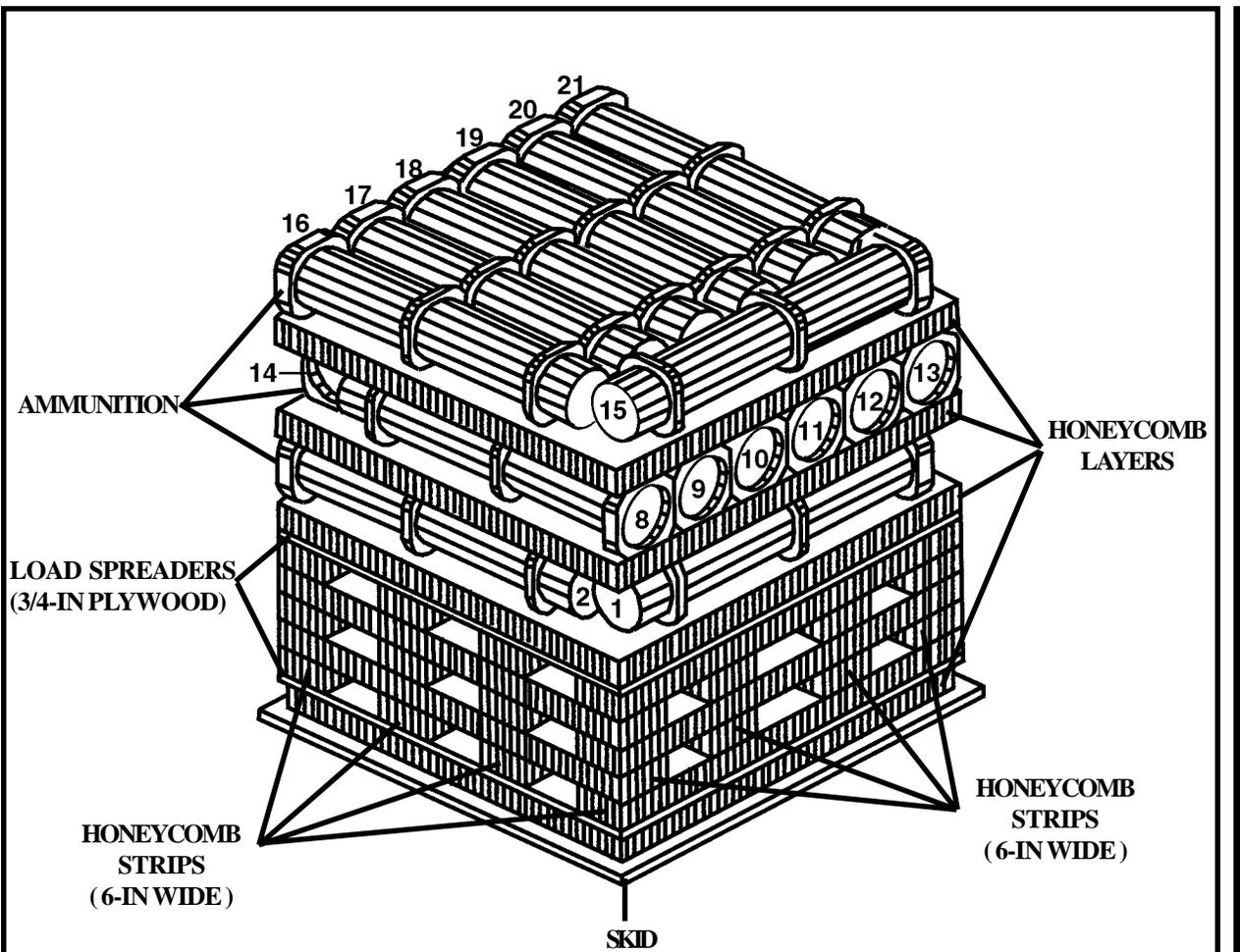


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-138.

Rockets

Rocket, 83-mm, HEDP, BDM, (DODAC 1340-HA08)

Figure 2-138. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-139.

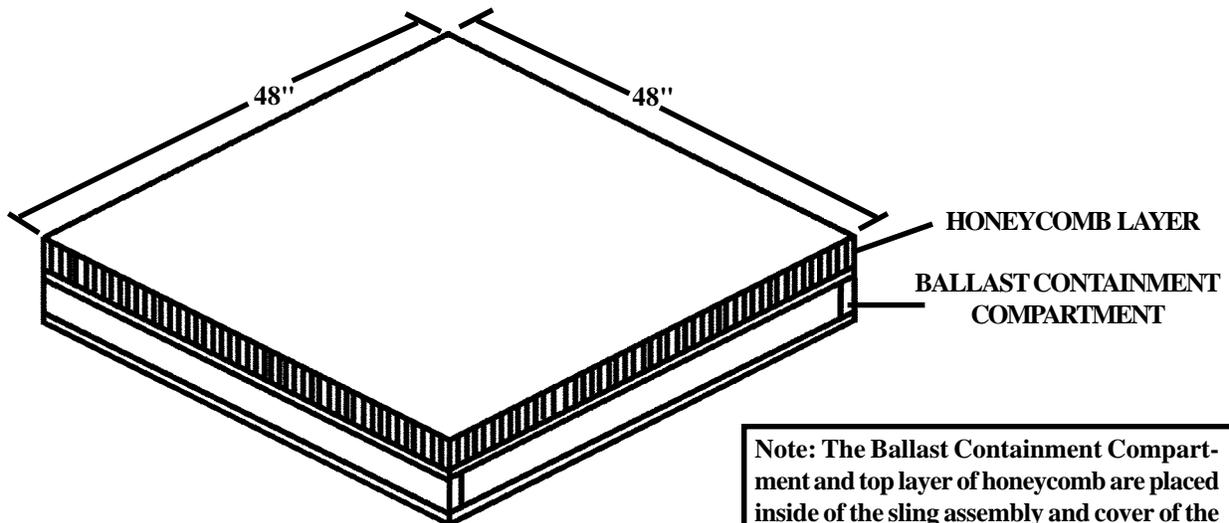
Demolition Items

Demolition Kit, Fighting Position Excavator, M300, (DODAC 1375-MN26)

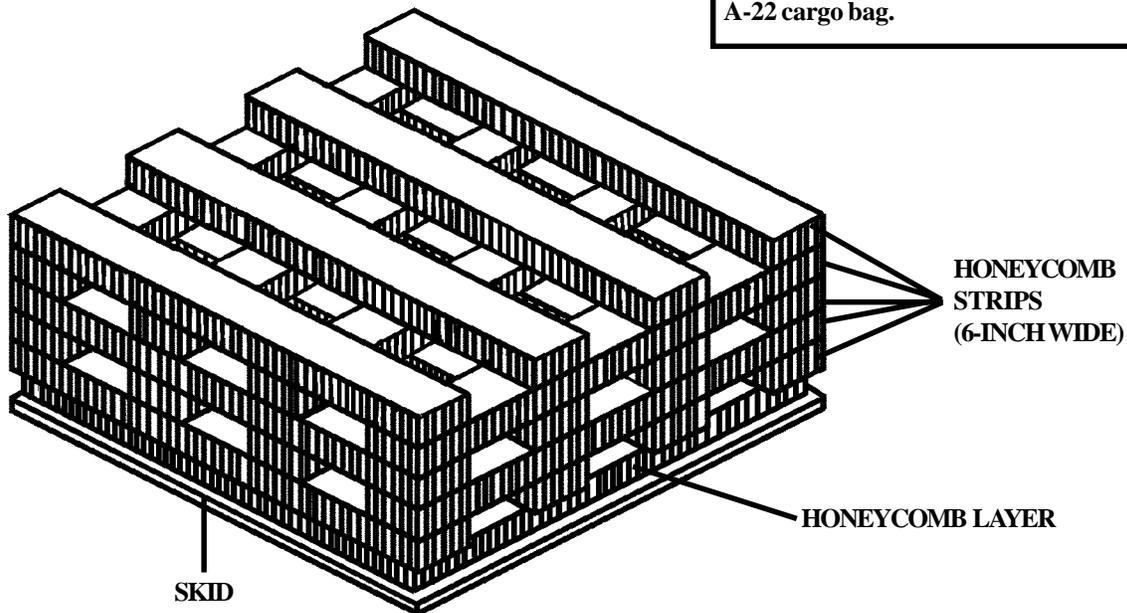
Figure 2-139. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

CAUTIONS

1. The suspended weight of this load must be between 795 pounds and 805 pounds.
2. The ballast used in the BCC must be contained (i.e. tied sandbags) so it does not leak outside of the BCC.



Note: The Ballast Containment Compartment and top layer of honeycomb are placed inside of the sling assembly and cover of the A-22 cargo bag.



RIGGING STEPS

1. Build the Ballast Containment Compartment (BCC) using two pieces of 2-inch X 4-inch X 48-inch lumber, two pieces of 2-inch X 4-inch X 45-inch lumber, and two pieces of 48-inch X 48-inch X 3/4-inch plywood. Do not nail the top piece of plywood until after the ballast has been added. The weight of the BCC is approximately 78 pounds.

Figure 2-140. Honeycomb stack and rigging steps for MDI munitions in an A-22 cargo bag for high velocity airdrop

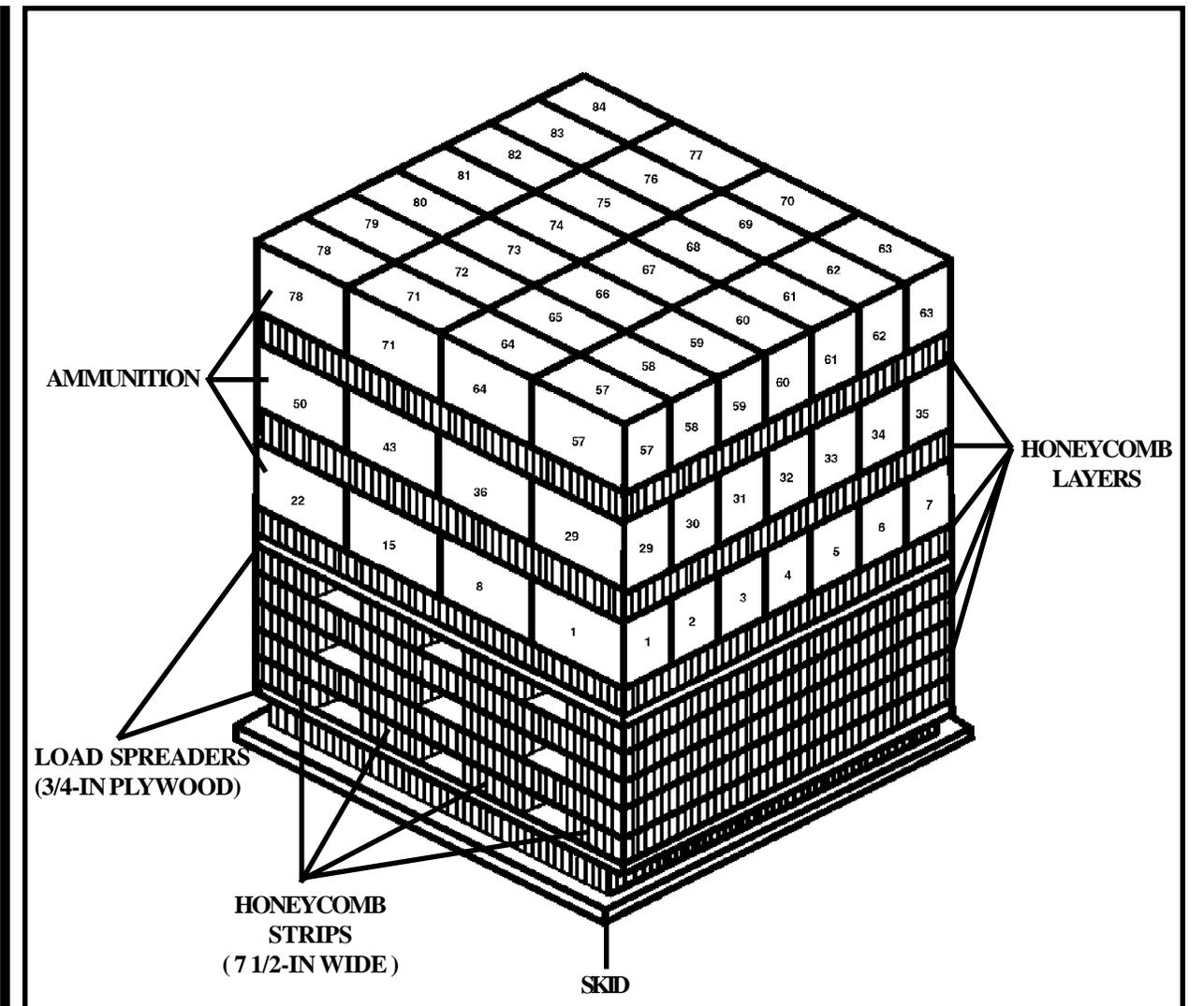
2. The combined weight of the BCC, Ballast, and the Modernized Demolition Initiator (DMI) items must be between 795 and 805 pounds.
3. Weigh the MDI items, add 78 pounds (weight of the BCC), subtract this sum from 800. This figure is the amount of ballast weight that must be added in the BCC. Evenly distribute the ballast in the BCC and fill all empty spaces with honeycomb so the ballast does not move. Nail the top on the BCC.
4. Prepare and position the load on the honeycomb stack shown above in accordance with FM 10-500-3, Chapter 9, Section II. The following restrictions apply:
 - a. The containers (wooden crates) may be broken down into smaller packaging units.
 - (1) Individual corrugated cardboard boxes.
 - (2) Individual foil wrapped items.
 - (3) MDI items maybe rigged for airdrop up to their smallest unit of packaging.
 - b. MDI items in their smallest unit of packaging must be encased in a honeycomb bin. See Appendix B for fabrication of honeycomb bins.
 - c. No container may be rigged on top of a honeycomb bin except another honeycomb bin.
 - d. Only honeycomb bins and corrugated cardboard boxes may be rigged on top of corrugated cardboard boxes.
 - e. Wooden crates can only be stacked on top of other wooden crates.
 - f. Corrugated cardboard boxes containing spools of shock tubing (M12, M13) must be positioned so the spools are lying flat on their base.
5. Center the load on the A-22 container. Place honeycomb on all four sides of the bundle and secure the honeycomb with Type III nylon cord. Place a piece of honeycomb over the top of the load and position a piece of 3/4-inch plywood on top of the honeycomb. Close and secure the A-22 container.

The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop using the honeycomb stack and rigging steps in Figure 2-140.

Modernized Demolition Initiators

Holder, Blasting Cap, M9, (DODAC 1375-ML45)
 Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B), (DODAC 1375-ML47)
 Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S), (DODAC 1375-MN02)
 Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S), (DODAC 1375-MN03)
 Cap, Blasting, Nonelectric, Delay, M14 (1.4S), (DODAC 1375-MN06)
 Cap, Blasting, Nonelectric, Delay, M15, (DODAC 1375-MN07)
 Ignitor, Time Blasting Fuze, M81, with Shock Tube Capability (1.4S), (DODAC 1375-MN08)

Figure 2-140. Honeycomb stack and rigging steps for MDI munitions in an A-22 cargo bag for high velocity airdrop (continued)



The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-141.

Grenades

- Grenade, Discharger, Anti-Riot, Irritant, XL96E1, (DODAC 1330-FZ14)
- Grenade, Discharger, Anti-Riot, Irritant, XL97E1, (DODAC 1330-FZ15)

Figure 2-141. Ammunition layout in an A-22 cargo bag for high-velocity airdrop