

## SECTION II

### HIGH-VELOCITY AIRDROP

#### 2-4. Preparing A-22 Cargo Bag

Prepare the A-22 cargo bag according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.

#### 2-5. Special Instructions

Follow these special instructions when rigging A-22 cargo bags for high-velocity airdrop.

a. The ammunition loads are positioned in the A-22 cargo bag for high-velocity airdrop according to the figures listed in this section.

b. A-22 cargo bags rigged for airdrop must **NOT** be more than 83 inches high, including the parachute, without prior Air Force approval. Any load that overhangs the edge of the standard 1- by 48- by 48-inch high-velocity A-22 skid must be placed lengthwise in the aircraft.

**Note: If the length of the load exceeds 53 1/2 inches but is too short for a double A-22 cargo bag, use the rigging procedures for the stretch A-22 cargo bag in FM 10-500-3 along with the skid and honeycomb layout in this manual.**

c. When using the CVR system, the first layer of honeycomb must be 2 inches from all sides of the skidboard.

**NOTES: 1. If the load is smaller than the length of the skidboard, place honeycomb filler sheets vertically inside the A-22 container. The length of the A-22 container should equal the length of the skidboard. This prevents the A-22 containers from shifting when the loads are restrained inside the aircraft.**

**2. All A-22 cargo bags rigged for high-velocity will use a 1-inch plywood skid.**

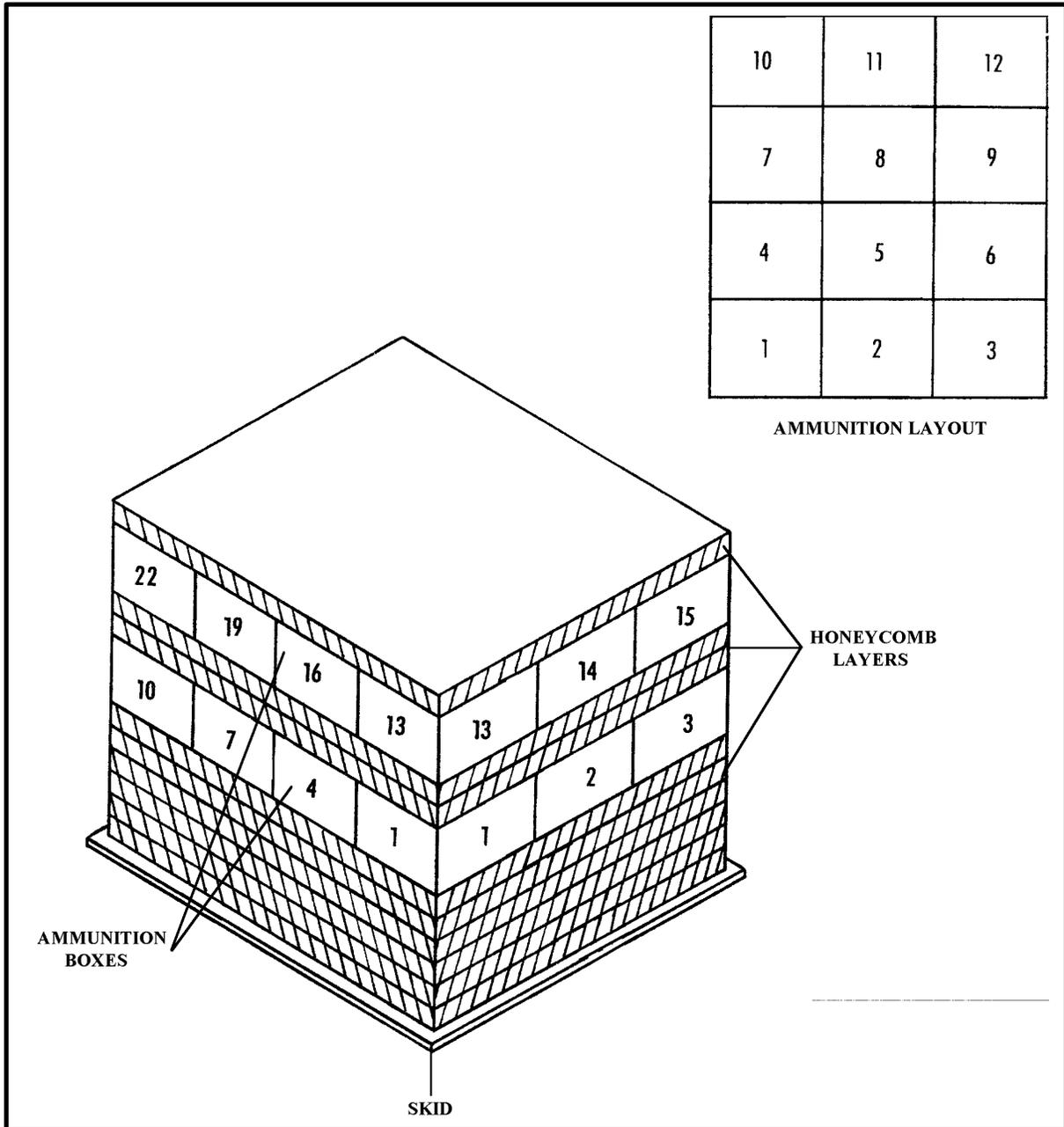
#### CAUTION

Steel strapping **MUST NOT** be used to bind a load below the second layer of honeycomb. Steel strapping **MUST NOT** be used to bind honeycomb layers to the skid.

d. The A-22 cargo bag must be closed and secured according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.

#### 2-6. Parachute Requirements

Select the correct parachute from Table 1-2. Attach the parachute to the rigged load according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.



The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-62.

**5.56-Millimeter Ammunition**

- Cartridge, 5.56-mm, Ball, M855, (DODAC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODAC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODAC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODAC 1305-A071)

Figure 2-62. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

**7.62-Millimeter Ammunition**

Cartridge, 7.62-mm, Ball, M59 and M80, (DODAC 1305-A122)  
 Cartridge, 7.62-mm, Tracer, M62, (DODAC 1305-A124)  
 Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80,  
 (DODAC 1305-A127)  
 Cartridge, 7.62-mm, 5-rd Clip, M80, (DODAC 1305-A130)  
 Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62,  
 (DODAC 1305-A131)  
 Cartridge, 7.62-mm, Match, M118, (DODAC 1305-A136)  
 Cartridge, 7.62-mm, Tracer, M62, (DODAC 1305-A140)  
 Cartridge, 7.62-mm, Tracer, M62, Clipped, (DODAC 1305-A145)

**.30-Caliber Ammunition**

Cartridge, Cal .30, AP API, 8-rd Clip, Grade R, (DODAC 1305-A205)  
 Cartridge, Cal .30, AP API, M2, Linked with M1 Link, Grade MG,  
 (DODAC 1305-A207)  
 Cartridge, Cal. 30, AP API, Linked with Tracer, (DODAC 1305-A209)  
 Cartridge, Cal. 30, Ball, M2, (DODAC 1305-A212)  
 Cartridge, Cal .30, Tracer, M25, Linked, (DODAC 1305-A236)

**.45-Caliber Ammunition**

Cartridge, Cal .45, Ball, M1911, (DODAC 1305-A475)

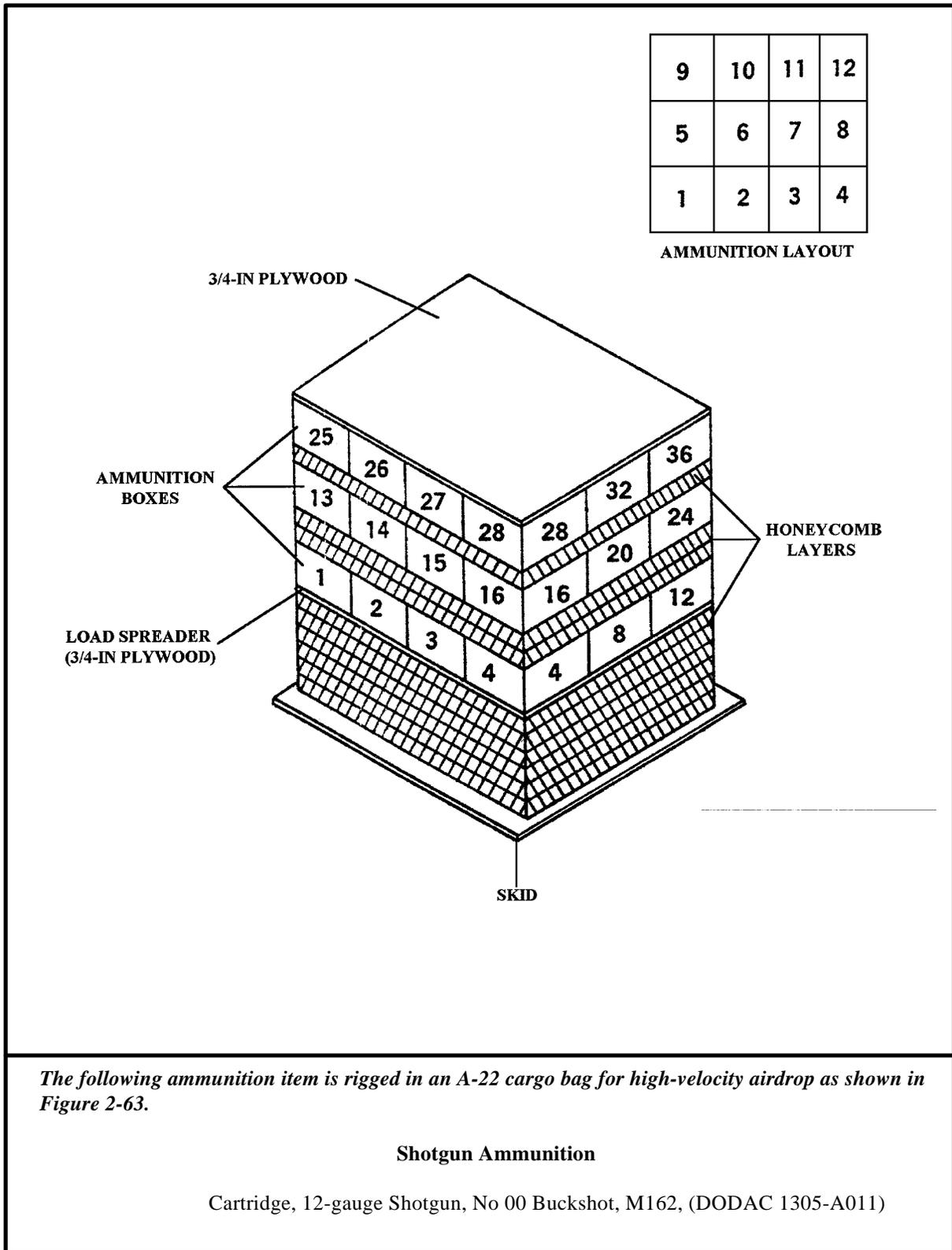
**.50-Caliber Ammunition**

Cartridge, Cal .50, API, M8, (DODAC 1305-A531)  
 Cartridge, Cal .50, API, M8, Linked, (DODAC 1305-A533)  
 Cartridge, Cal .50, API-T, M1/M17 Linked, (DODAC 1305-A540)  
 Cartridge, Cal .50, API-T, M20, (DODAC 1305-A541)  
 Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC,  
 (DODAC 1305-A543)  
 Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG,  
 (DODAC 1305-A544)  
 Cartridge, Cal .50, Tracer, M17, Grade MG, (DODAC 1305-A571)  
 Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC,  
 (DODAC 1305-A572)  
 Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODAC 1305-A574)  
 Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODAC 1305-A576)  
 Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODAC 1305-A577)  
 Cartridge, Cal .50, API-T, M20, Linked, (DODAC 1305-A585)  
 Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A587)  
 Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A589)

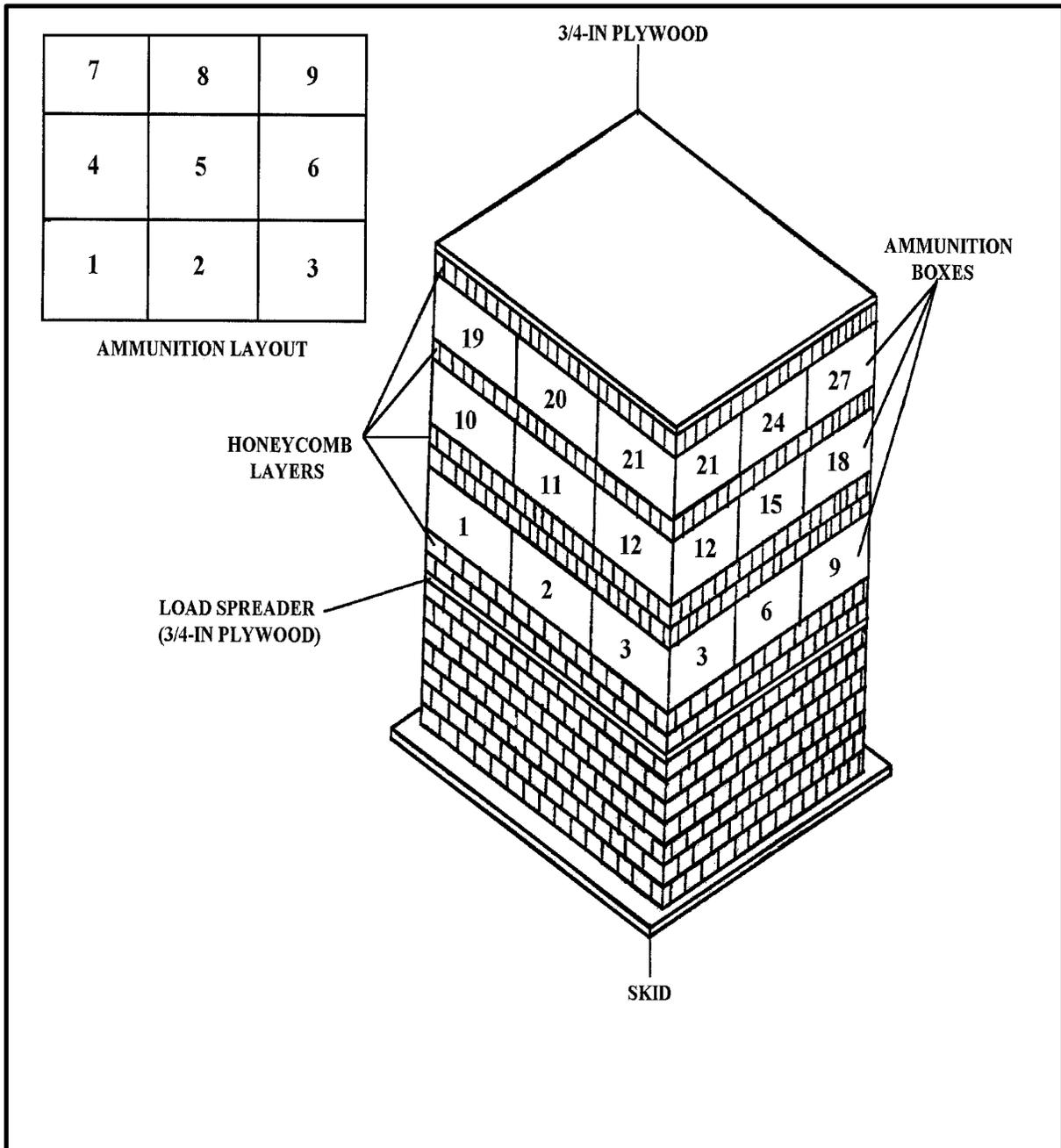
**Incendiary Item**

Burster, Incendiary, Field, M4 without Fuze, (DODAC 1345-K010)

*Figure 2-62. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)*



*Figure 2-63. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

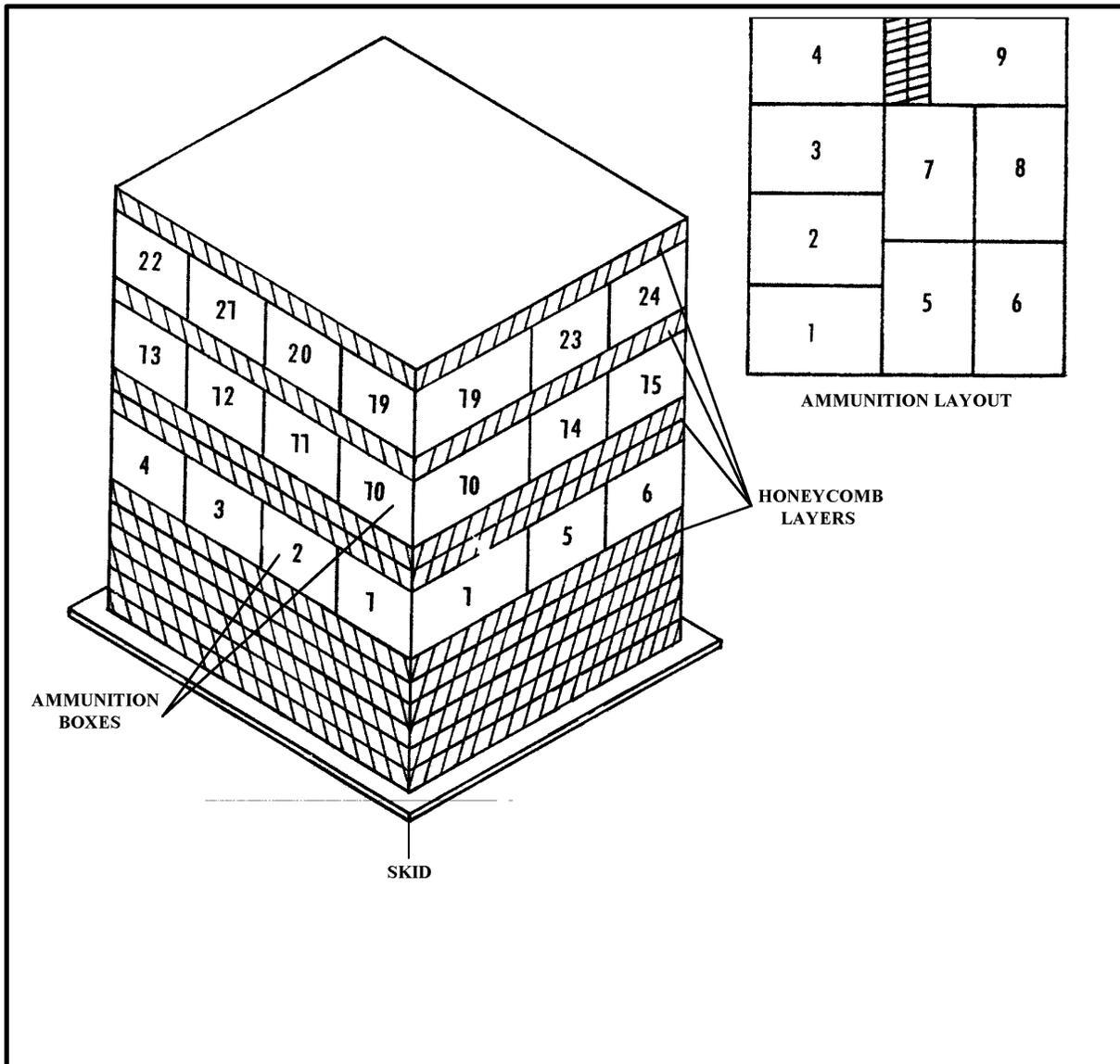


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-64.*

**5.56-Millimeter Ammunition**

Cartridge, 5.56-mm, Ball, M855 and Tracer, M856 Linked, (DODAC 1305-A064)

*Figure 2-64. 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 2-65.

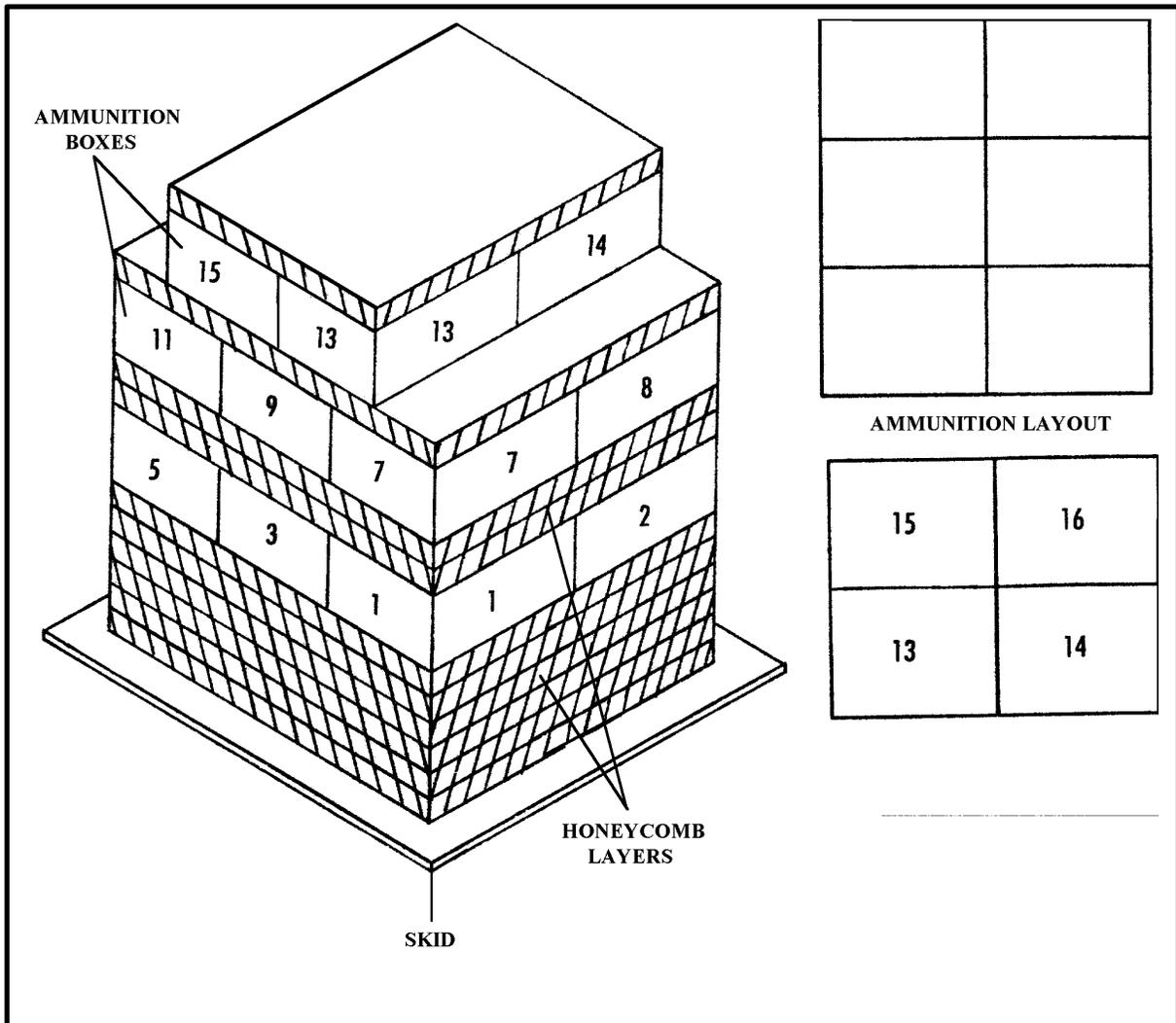
**7.62-Millimeter Ammunition**

- Cartridge, 7.62-mm, Ball, M80, Linked, (DODAC 1305-A143)
- Cartridge, 7.62-mm, Tacer, M62, Linked, (DODAC 1305-A146)

**.30-Caliber Ammunition**

- Cartridge, Cal .30, Ball, M2, Clipped, (DODAC 1305-A216)
- Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODAC 1305-A234)

Figure 2-65. 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 2-66.*

**7.62-Millimeter Ammunition**

Cartridge, 7.62-mm, Linked, 9-ball M80, 1 TR, M62, (DODAC 1305-A165)

**.30-Caliber Ammunition**

Cartridge, Cal .30, AP API, Carton, Grade R, (DODAC 1305-A201)

Cartridge, Cal .30, AP API, Carton, Grade MG, (DODAC 1305-A202)

**.50-Caliber Ammunition**

Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODAC 1305-A542)

*Figure 2-66. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

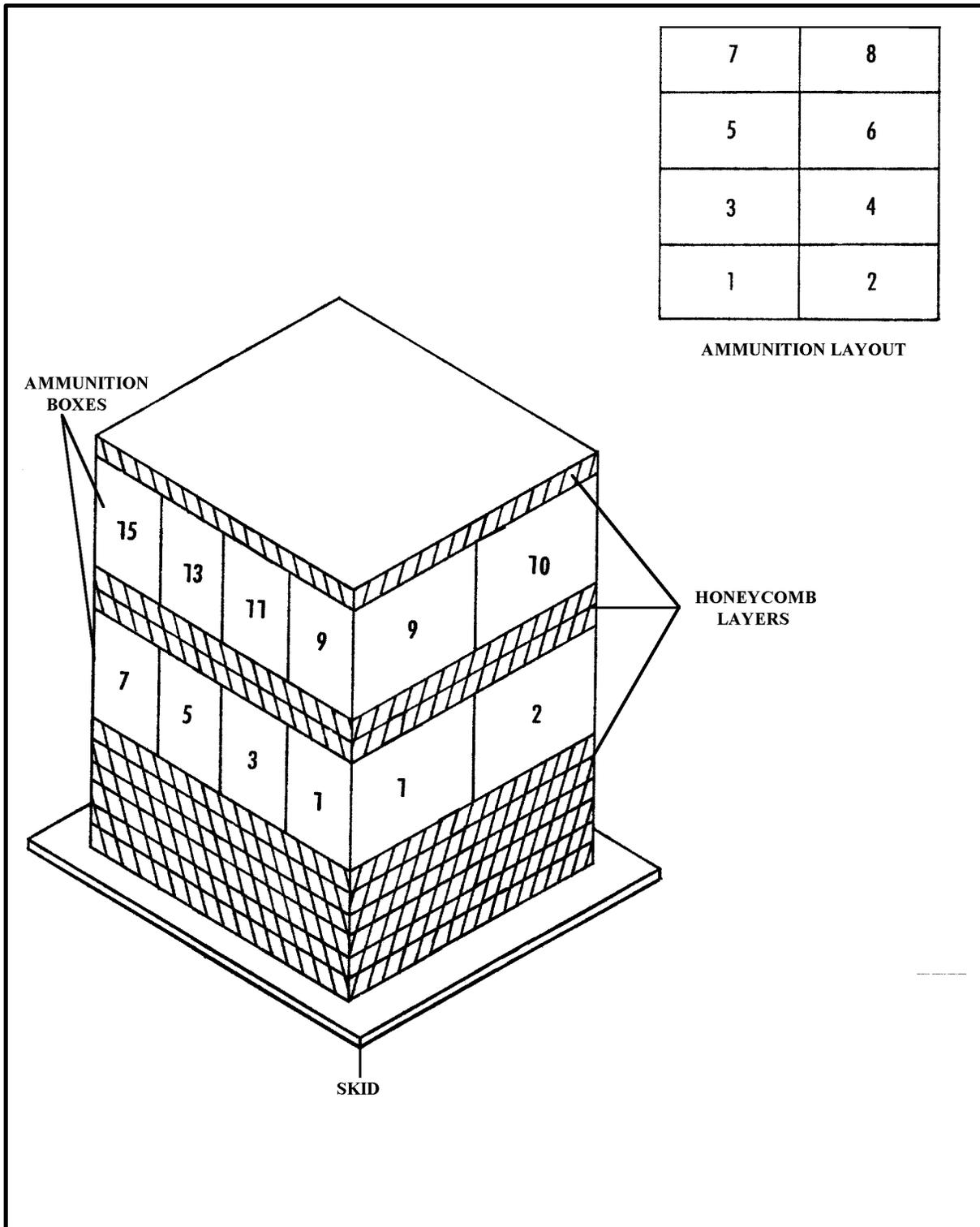


Figure 2-67. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-67.*

**.30-Caliber Ammunition**

Cartridge, Cal .30, Ball, M2, Clipped, (DODAC 1305-A214)  
Cartridge, Cal .30, Tracer, M1, Clipped, (DODAC 1305-A232)

**.32-Caliber Ammunition**

Cartridge, Cal .32, Ball, Auto 71, Grain, (DODAC 1305-A350)

**.38-Caliber Ammunition**

Cartridge, Cal .38, Special, Ball, M41, (DODAC 1305-A400)

**.50-Caliber Ammunition**

Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20  
(DODAC 1305-A532)  
Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG  
(DODAC 1305-A534)

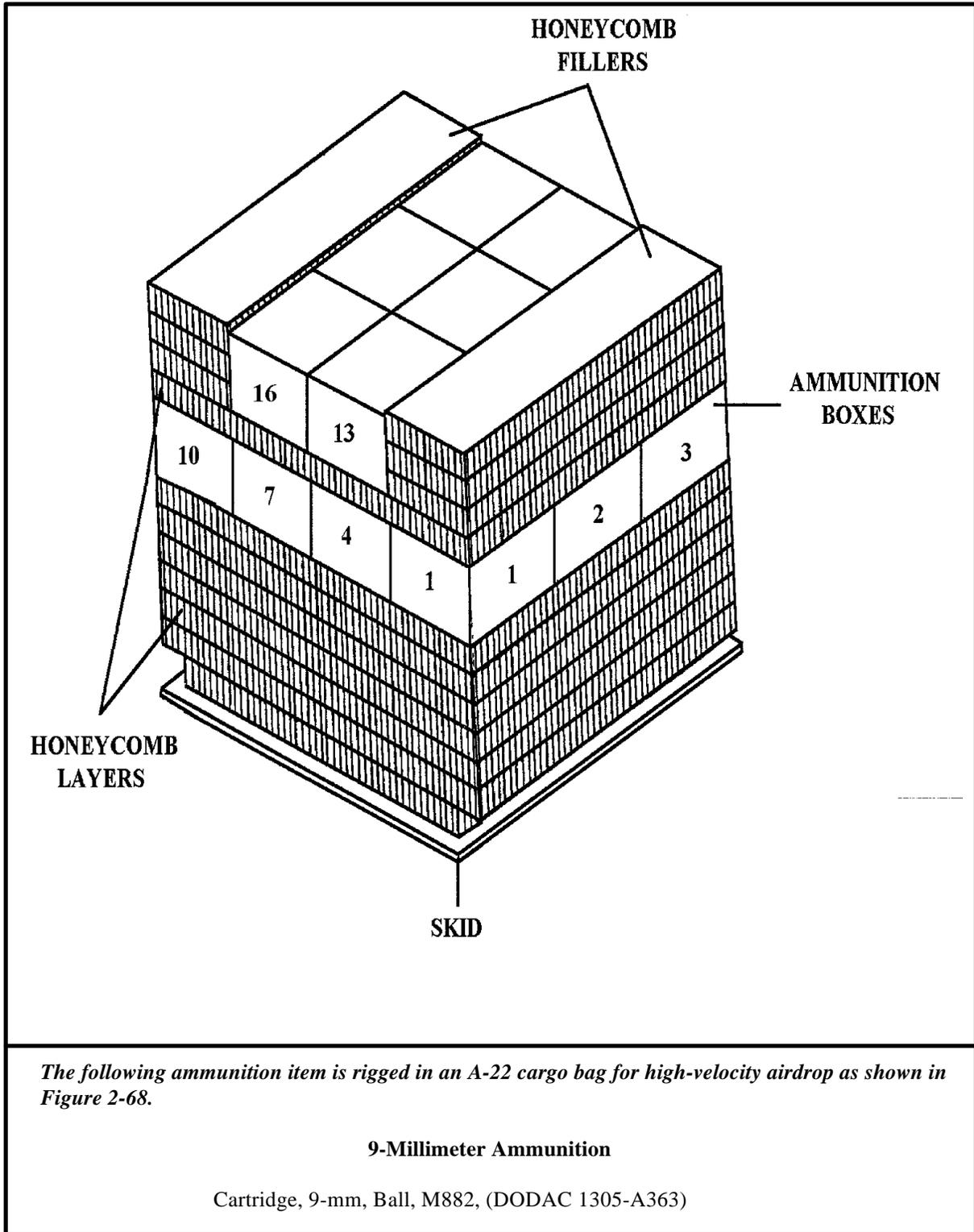
**40-Millimeter Ammunition**

Cartridge, 40-mm, HEI-T, SD, M3, (DODAC 1310-B559)

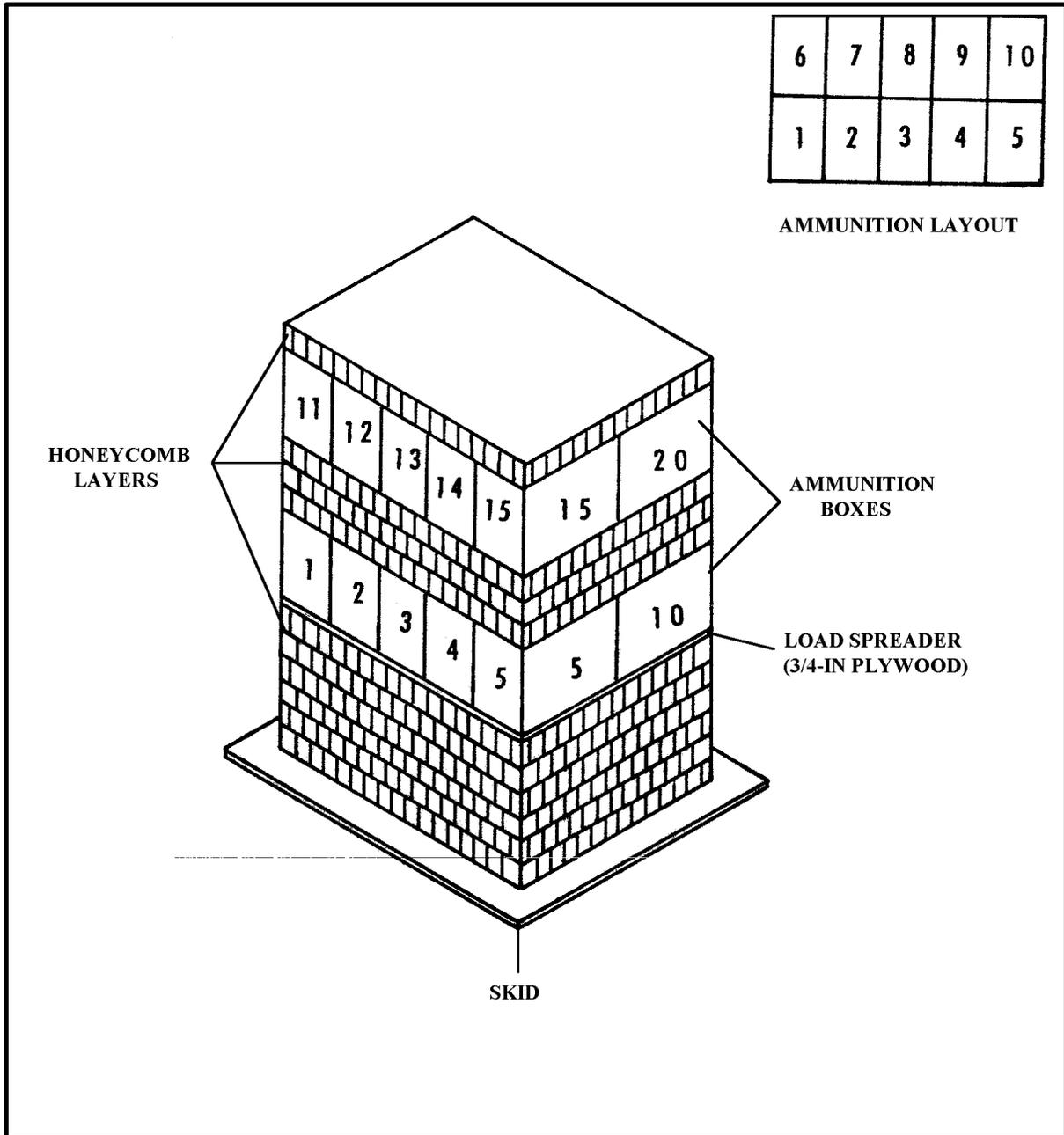
**Demolition Items**

Charge, Demolition, Shaped, 40-lb, M3, (DODAC 1375-M421)  
Dynamite, Military, M1, (DODAC 1375-M591)

*Figure 2-67. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)*



*Figure 2-68. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

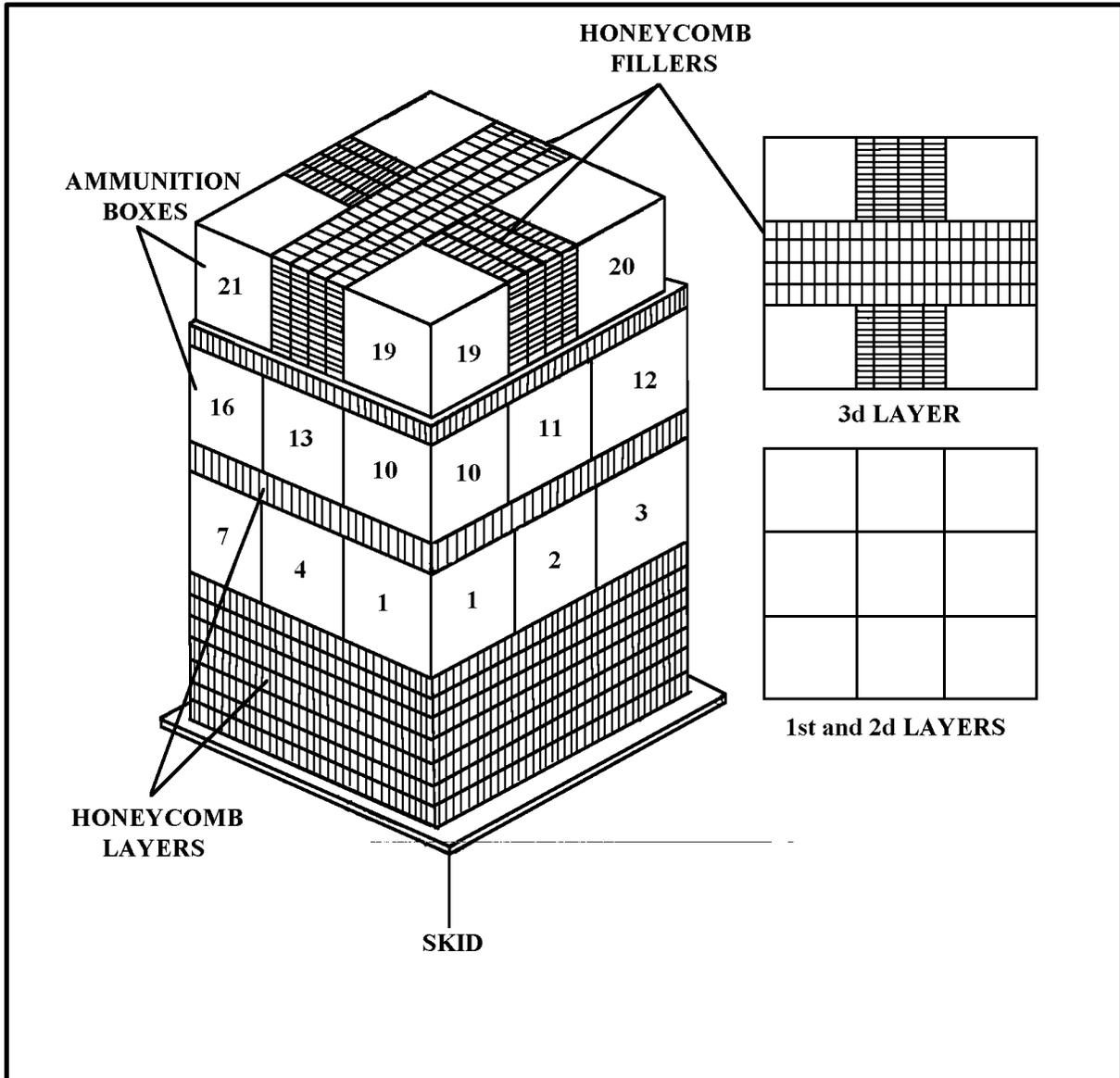


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-69.*

**20-Millimeter Ammunition**

- Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODAC 1305-A653)
- Cartridge, 20-mm, Linked, HEI, M56A3-1, M220, (DODAC 1305-A655)
- Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODAC 1305-A792)

**Figure 2-69. Ammunition layout in an A-22 cargo bag for high-velocity airdrop**

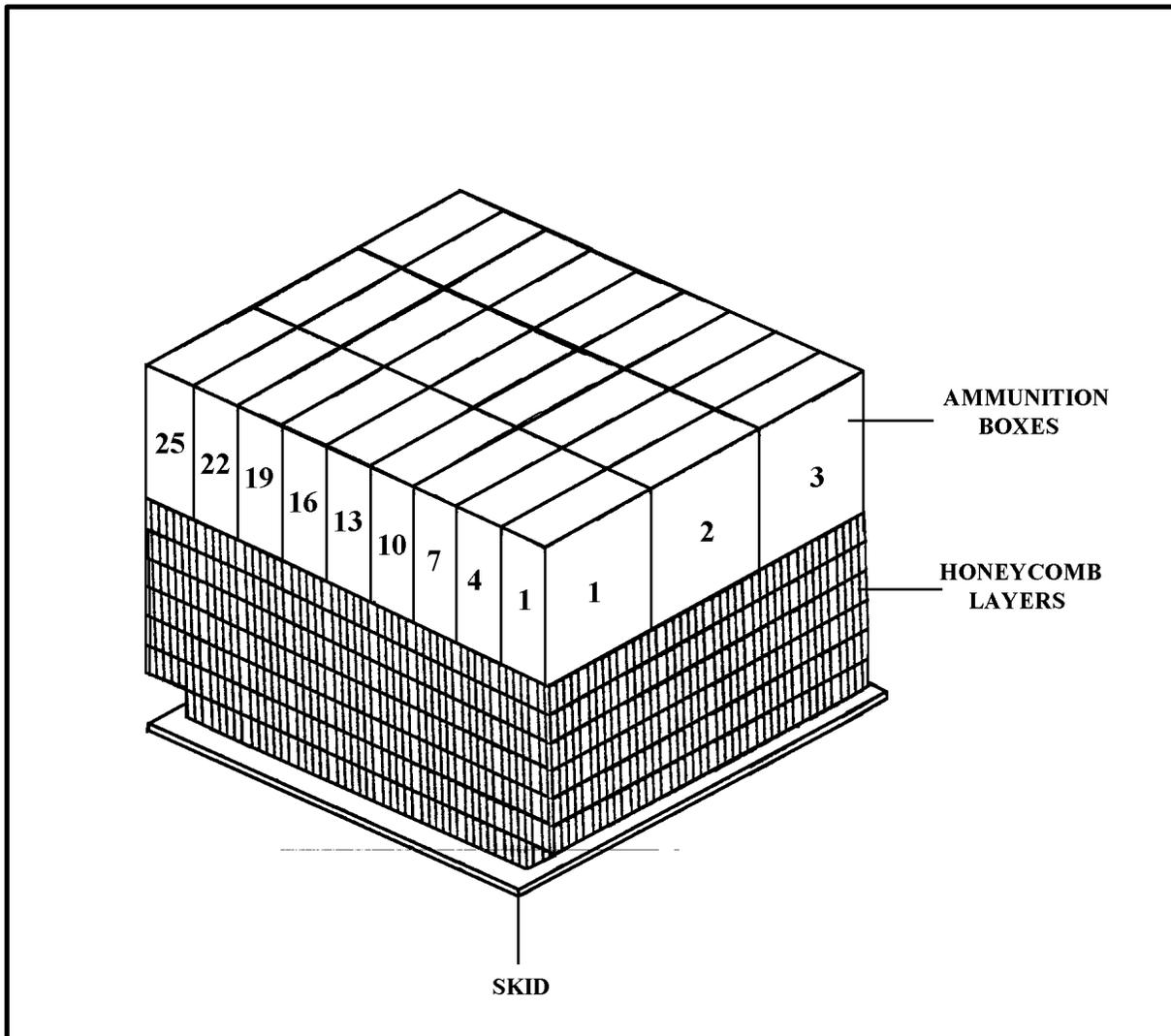


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-70.*

**25.4-Millimeter Ammunition**

Cartridge, 25.4-mm, Decoy, M839, (DODAC 1305-A965)

*Figure 2-70. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

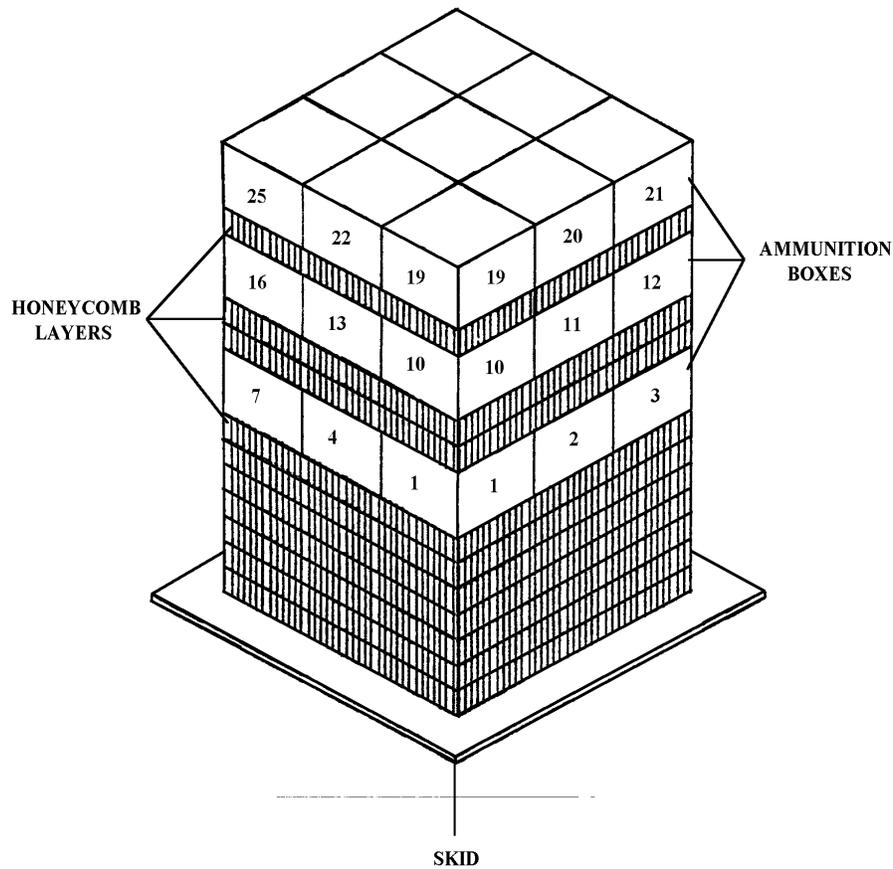


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-71.*

**25-Millimeter Ammunition**

- Cartridge, 25-mm, HEI-T, M792 w/ M758 Fuze, (DODAC 1305-A975)
- Cartridge, 25-mm, M919, (DODAC 1305-A986)
- Cartridge, 25-mm, M791, (DODAC 1305-A974)

*Figure 2-71. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

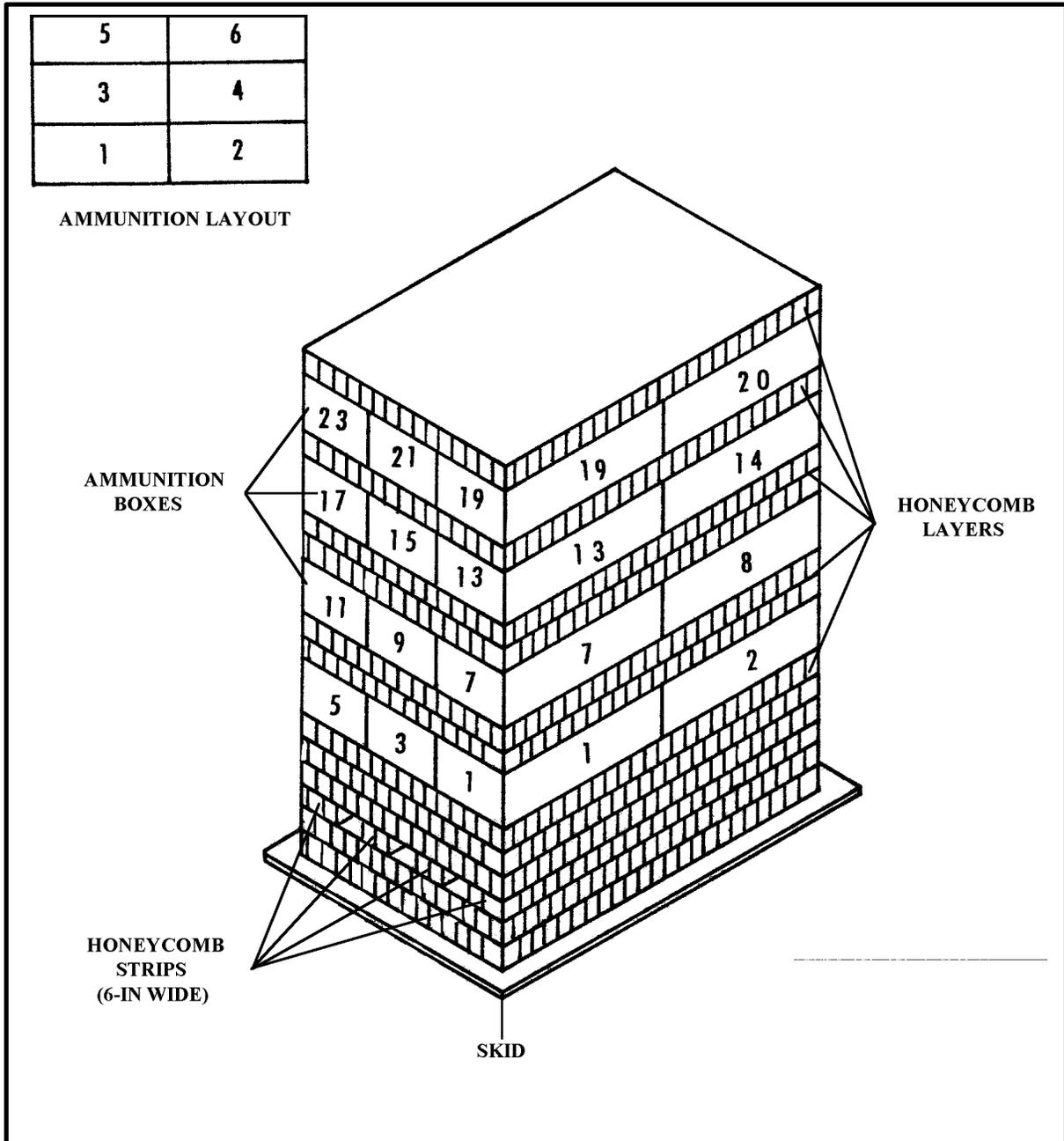


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-72.*

**40-Millimeter Ammunition**

- Cartridge, 40-mm, Illuminating, M661, (DODAC 1310-B504)
- Cartridge, 40-mm, Illuminating, M662, (DODAC 1310-B505)
- Cartridge, 40-mm, Red Smoke, M713, (DODAC 1310-B506)
- Cartridge, 40-mm, Green Smoke, M715, (DODAC 1310-B508)
- Cartridge, 40-mm, Yellow Smoke, M716, (DODAC 1310-B509)

*Figure 2-72. 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 2-73.

**40-Millimeter Ammunition**

- Cartridge, 40-mm, HEDP, M33, (DODAC 1310-B470)
- Cartridge, 40-mm, HEDP, Linked, M430, (DODAC 1310-B542)
- Cartridge, 40-mm, HE, Linked, M383E1, (DODAC 1310-B571)

Figure 2-73. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

**81-Millimeter Ammunition**

Cartridge, 81-mm, HE, M362, (DODAC 1315-C222)  
Cartridge, 81-mm, HE, M372, (DODAC 1315-C223)  
Cartridge, 81-mm, HE, M43A1, (DODAC 1315-C225)  
Cartridge, 81-mm, HE, M374A2, (DODAC 1315-C236)  
Cartridge, 81-mm, HE, M374A2 with Fuze M524A5, (DODAC 1315-C256)  
Cartridge, 81-mm, HE, M374A2 with Fuze M524A6, (DODAC 1315-C256)  
Cartridge, 81-mm, HE, M374A2 with Fuze M567, (DODAC 1315-C256)  
Cartridge, 81-mm, HE, M374A2 with Fuze M716, (DODAC 1315-C256)  
Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6, (DODAC 1315-C276)

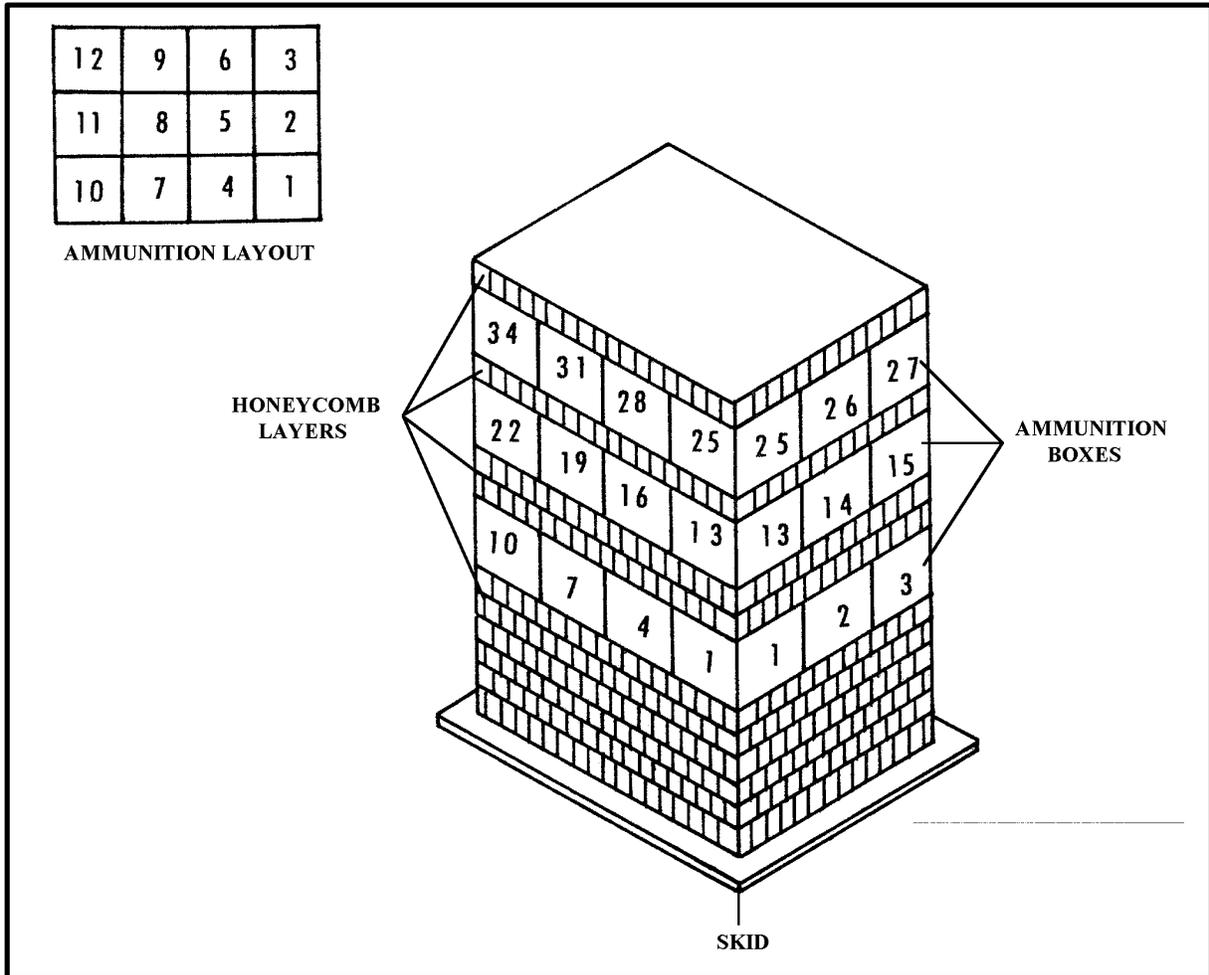
**Grenade**

Grenade, Hand, Fragmentation, M26 or M26A1, (DODAC 1330-G890)

**Demolition Items**

Charge, Demolition, Chain, M1, Eight 2 1/2-lb Telrytol Charge  
Strung on Detonating Cord, (DODAC 1375-M035)  
Charge, Demolition, Block, M2, (DODAC 1375-M036)

*Figure 2-73. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-74.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, White Star, M583A1, (DODAC 1310-B535)

**Grenades**

Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODAC 1330-G839)  
 Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1,  
 (DODAC 1330-G900)

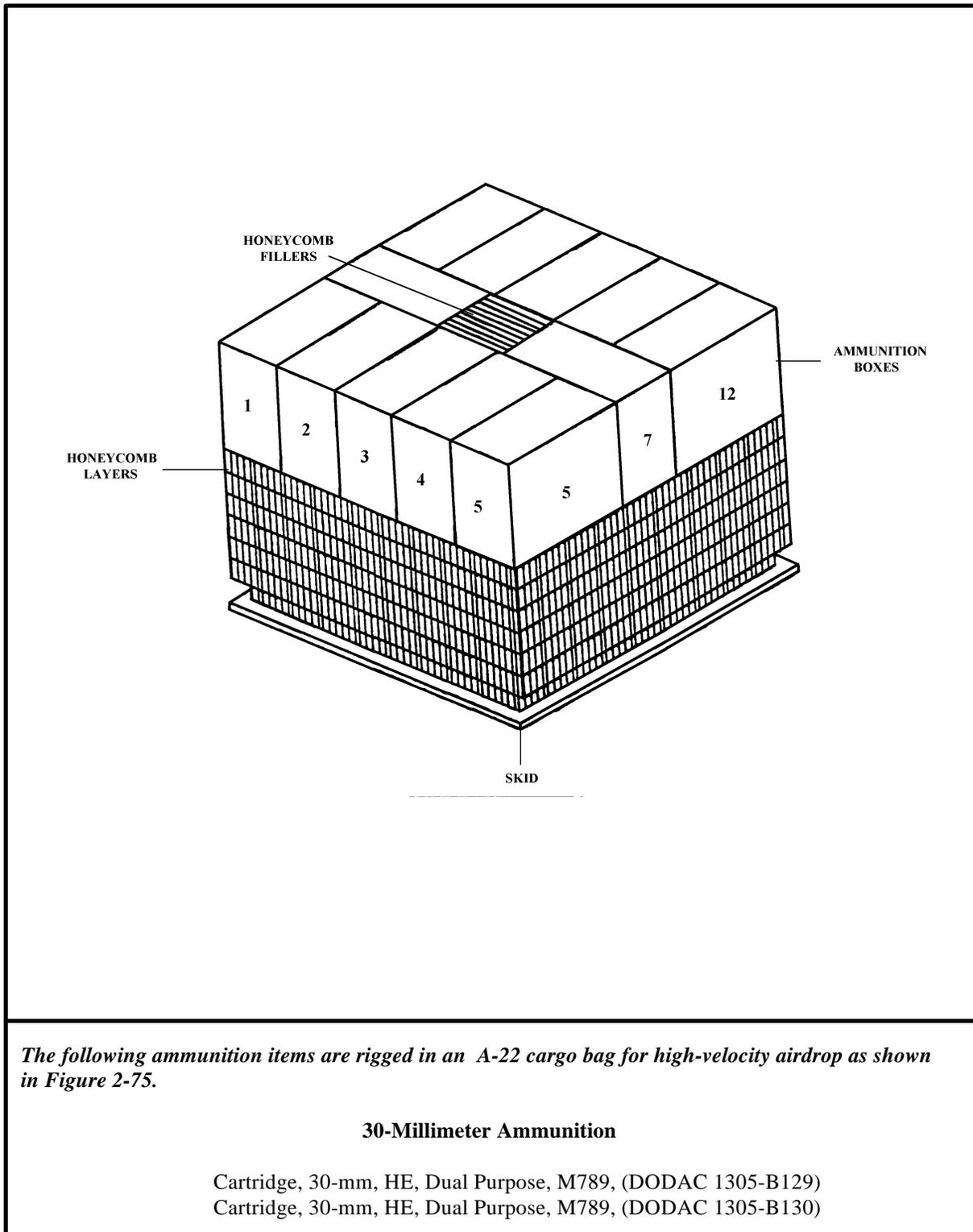
**Mine**

Mine, Antipersonnel, M16A1 with Fuze M605, (DODAC 1345-K092)

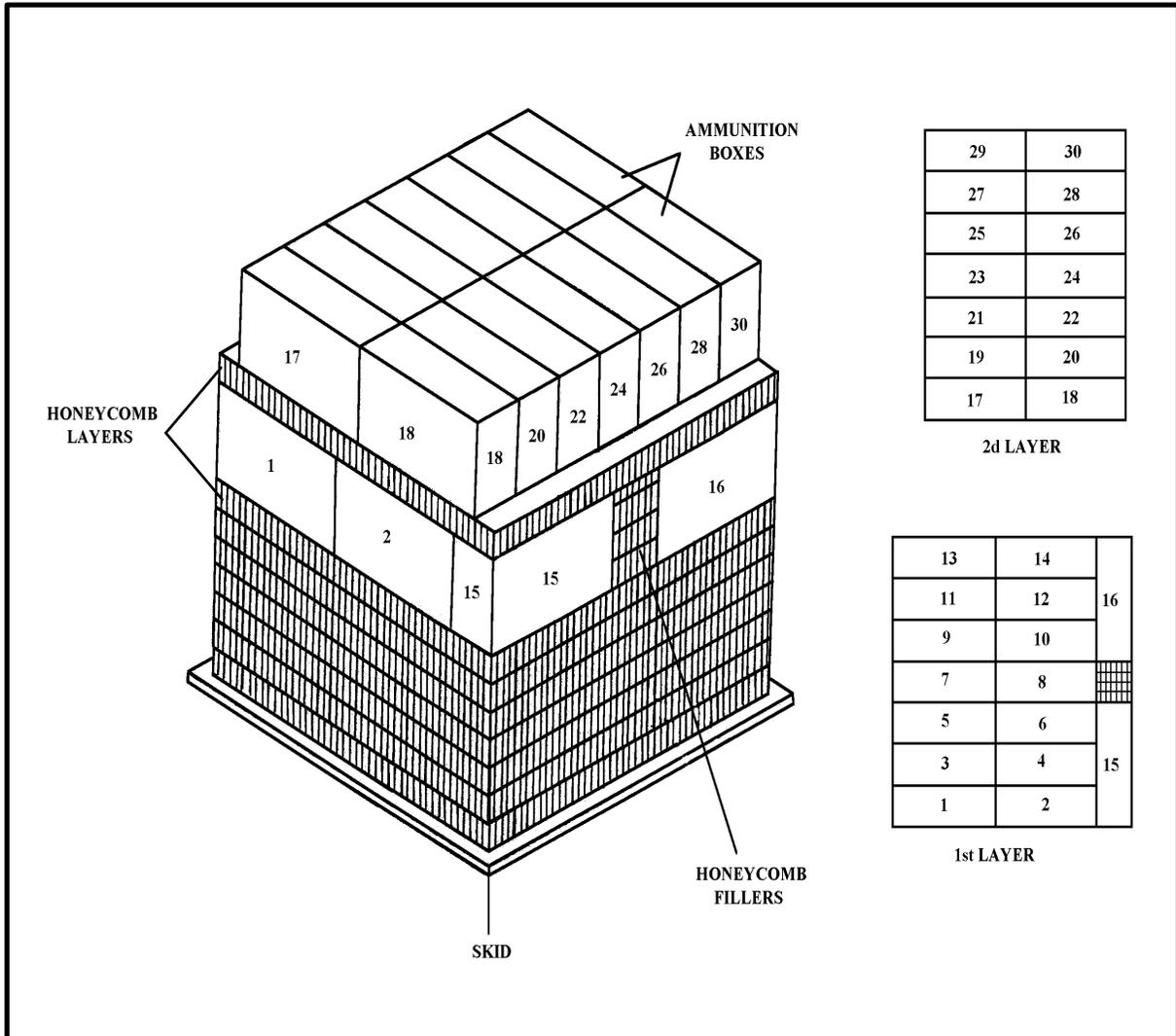
**Demolition Items**

Charge, Demolition Block, Comp, C4, 1 1/4-lb, M112, (DODAC 1375-M023)  
 Firing Device, Demolition, M3, Pull-Release Type, (DODAC 1375-M629)

*Figure 2-74. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*



*Figure 2-75. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

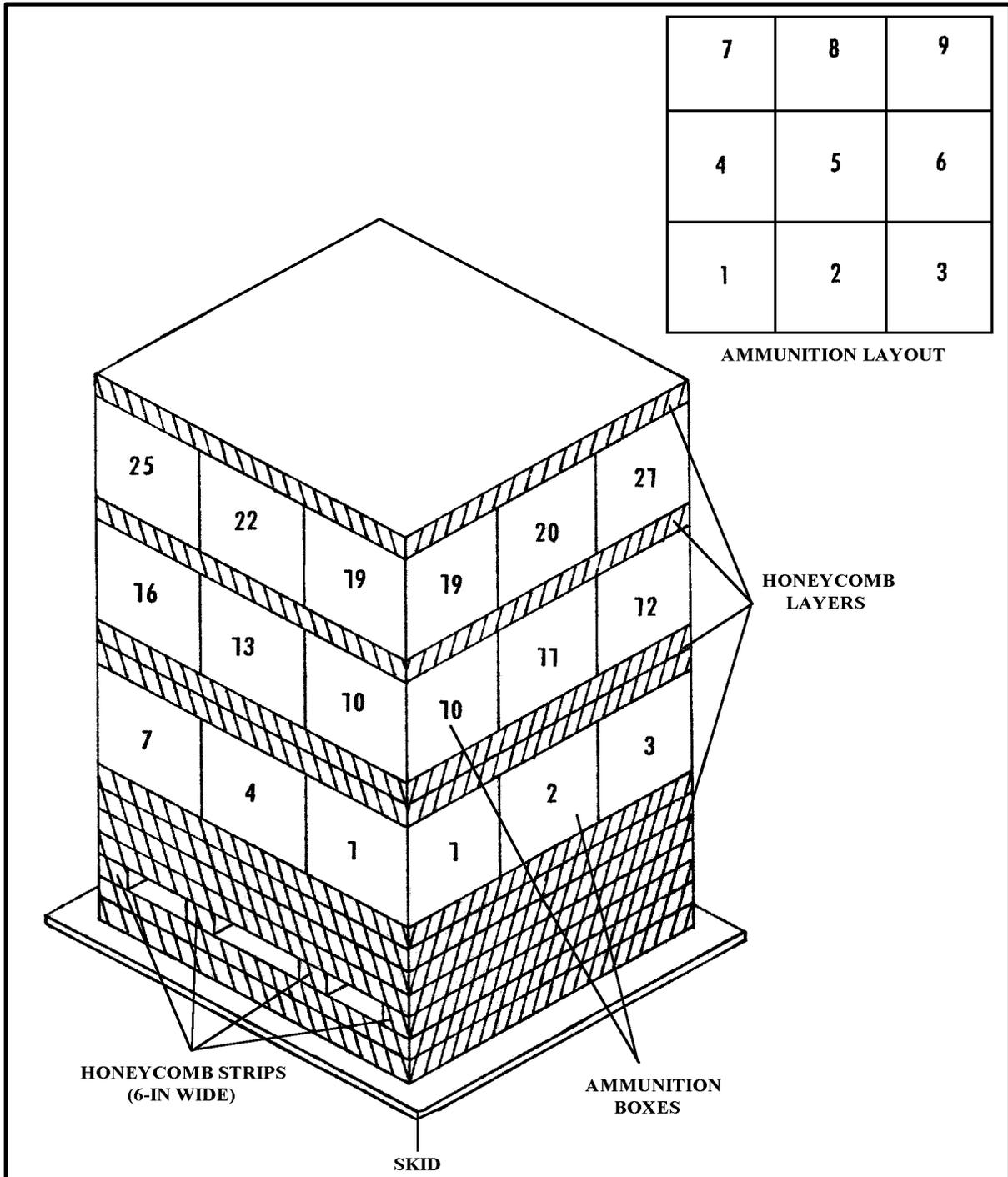


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-76.*

**40-Millimeter Ammunition**

- Cartridge, 40-mm, HEDP, Linked, M430, (DODAC 1310-B542)
- Cartridge, 40-mm, TP, M918, (DODAC 1310-B584)

*Figure 2-76. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

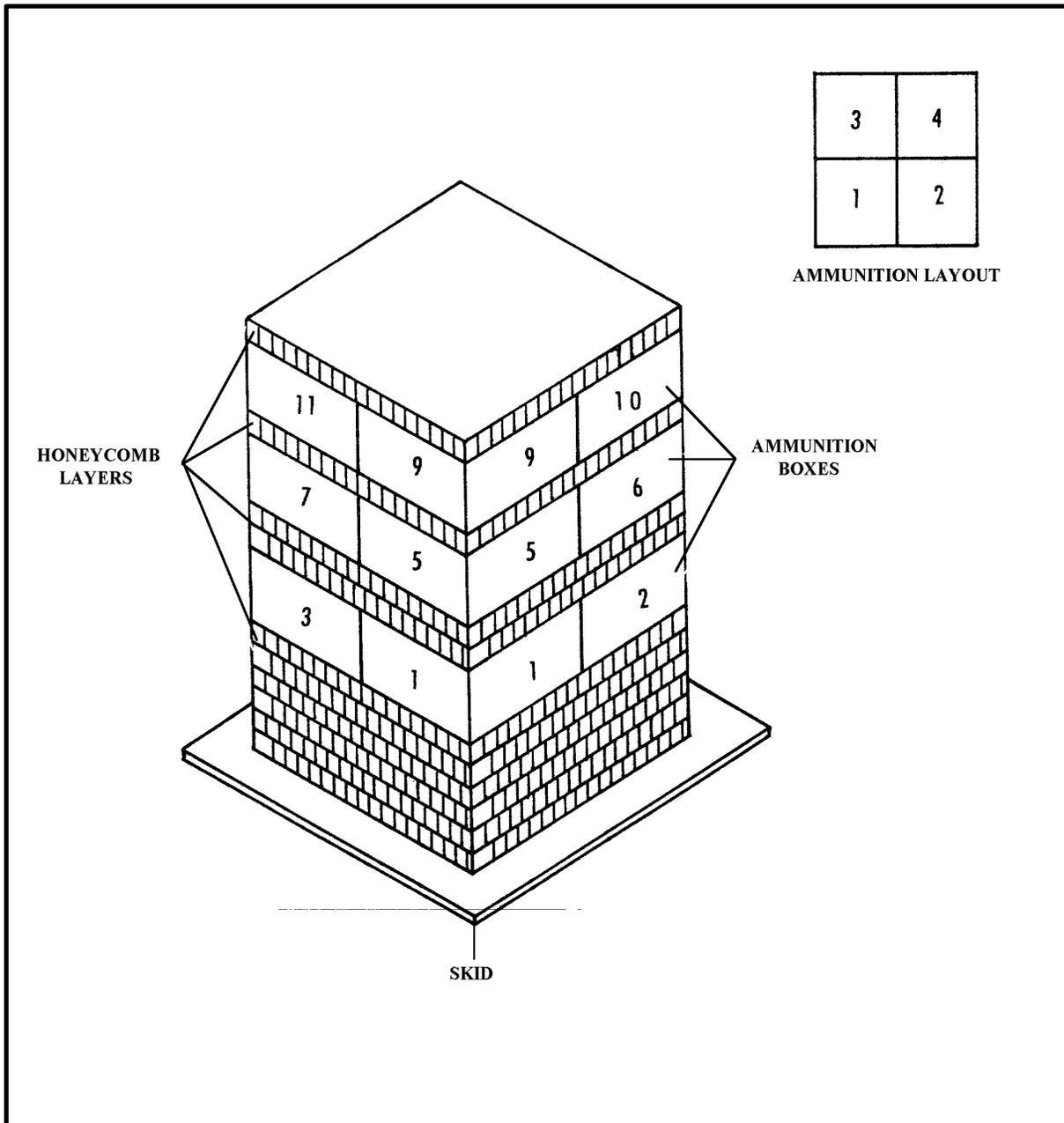


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-77.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, HEDP, M433, (DODAC 1310-B546)

*Figure 2-77. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*



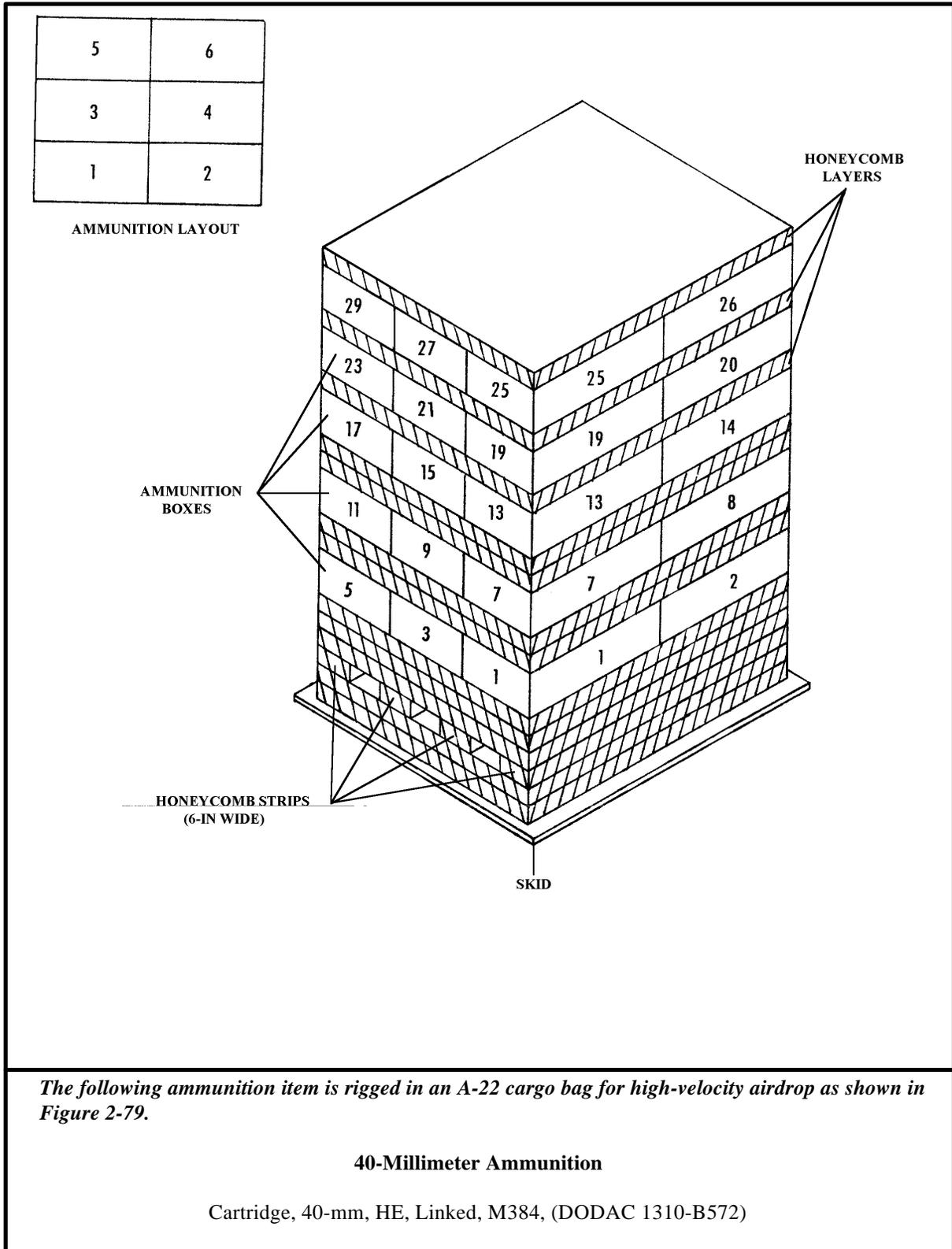
*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-78.*

**40-Millimeter Ammunition**

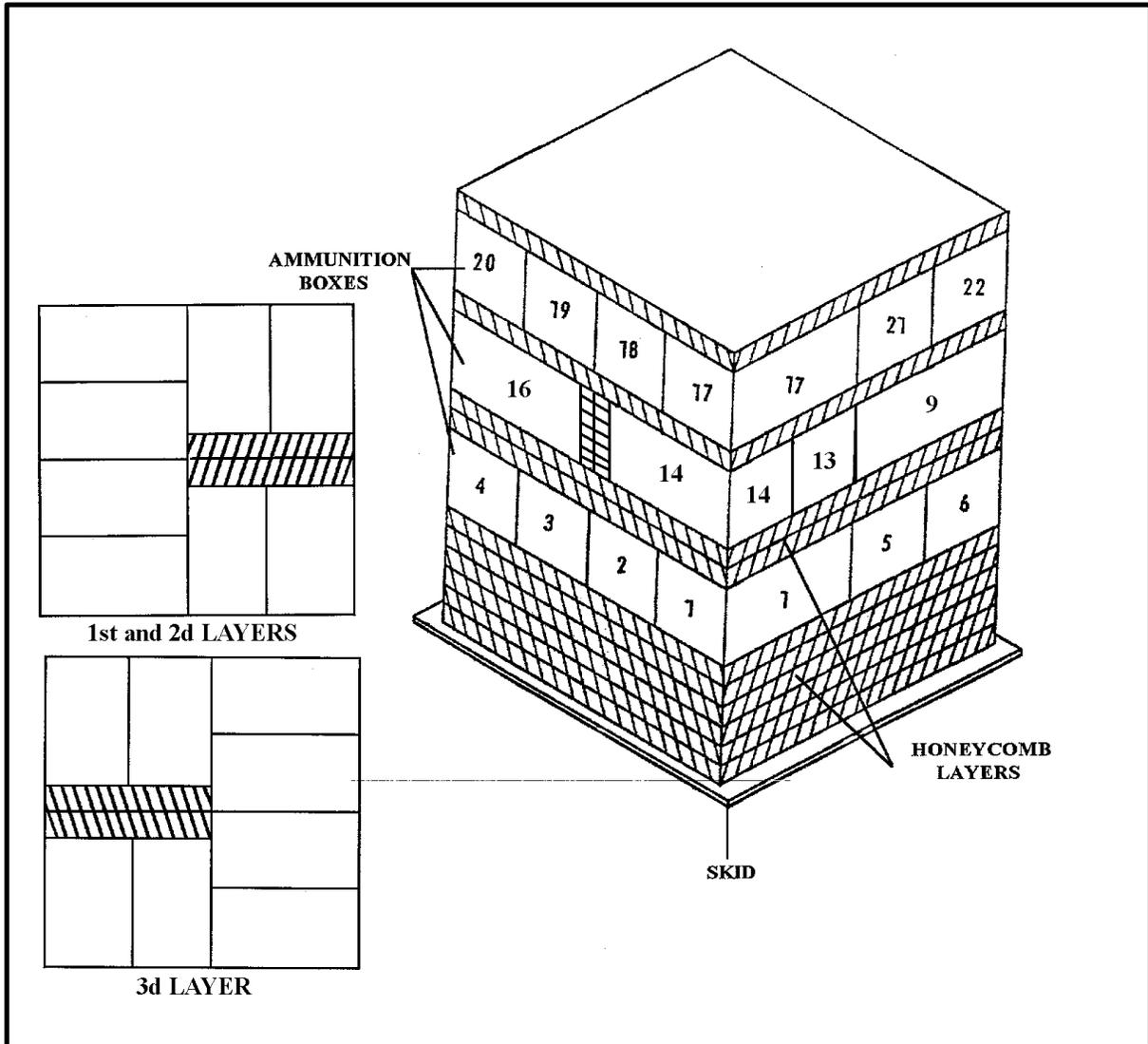
Cartridge, 40-mm, AP-T, M81, (DODAC 1310-B552)

Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODAC 1310-B562)

*Figure 2-78. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*



*Figure 2-79. 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 2-80.*

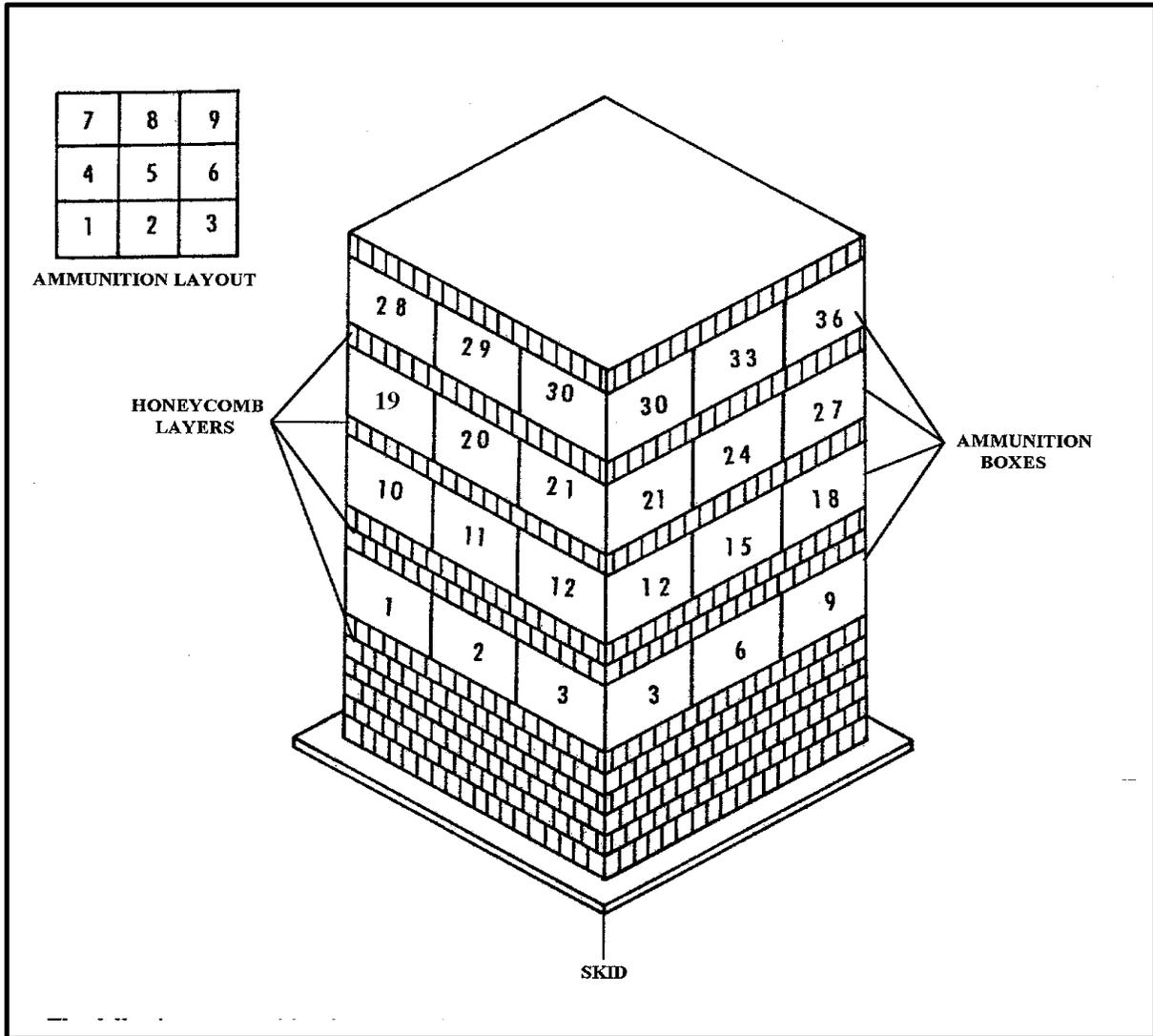
**60-Millimeter Ammunition**

- Cartridge, 60-mm, Illuminating, M83A3, (DODAC 1310-B627)
- Cartridge, 60-mm, Smoke, WP, M302A1, (DODAC 1310-B630)

**Signal Items**

- Signal, Illuminating, A/C, Single Star, AN-M43A2, Red, (DODAC 1370-L231)
- Signal, Illuminating, A/C, Single Star, AN-M45A2, Green, (DODAC 1370-L233)

*Figure 2-80. 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 2-81.

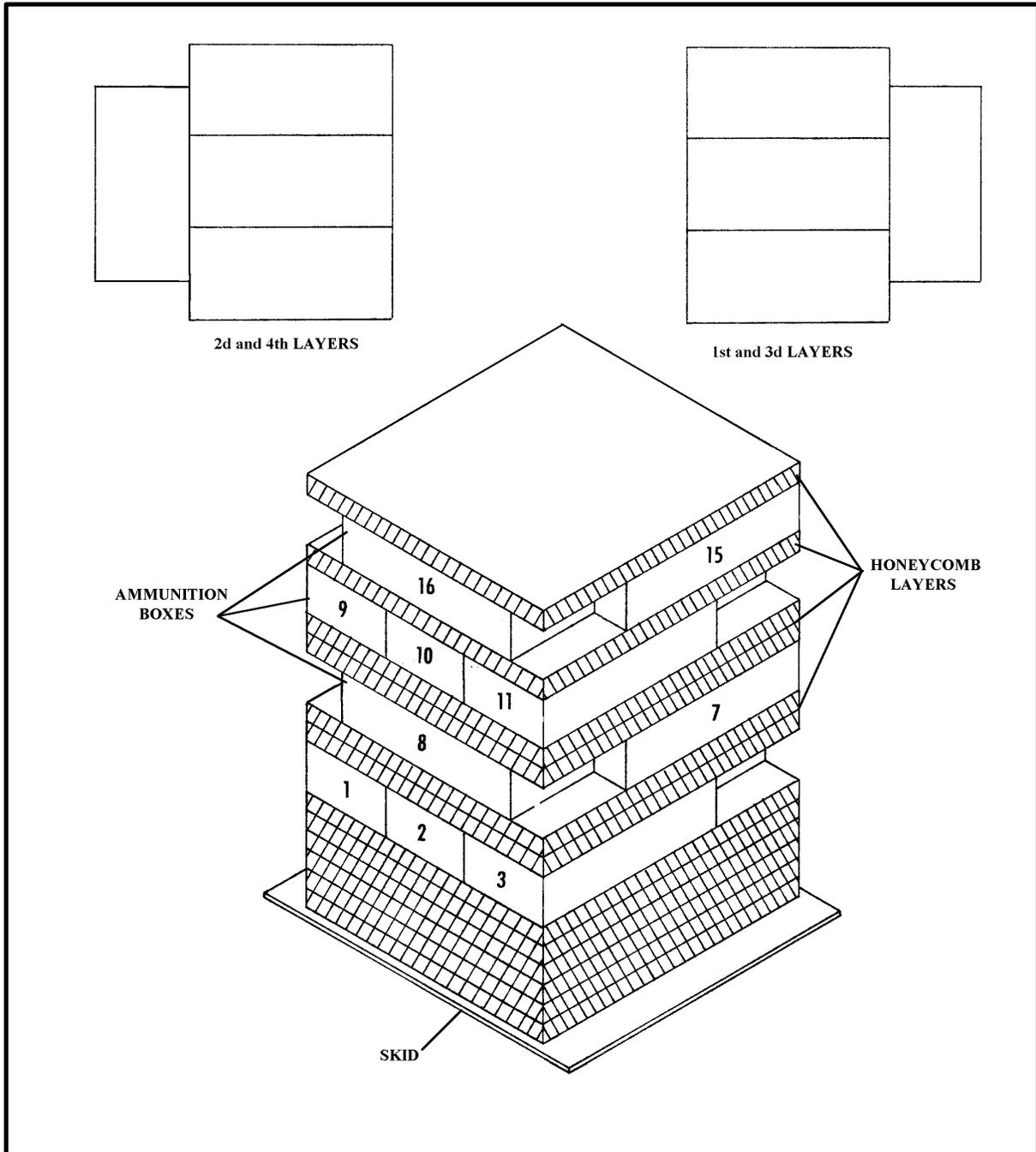
**60-Millimeter Ammunition**

Cartridge, 60-mm, HE, M49A4, (DODAC 1310-B632)

**Grenades**

- Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze, (DODAC 1330-G930)
- Grenade, Hand, Green Smoke, M18 with Fuze, (DODAC 1330-G940)
- Grenade, Hand, Yellow Smoke, M18 with Fuze, (DODAC 1330-G945)
- Grenade, Hand, Red Smoke, M18 with Fuze, (DODAC 1330-G950)
- Grenade, Hand, Violet Smoke, M18 with Fuze M201A1, (DODAC 1330-G955)
- Grenade, Hand, Riot Control, M7A3 with Fuze, (DODAC 1330-G963)

Figure 2-81. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

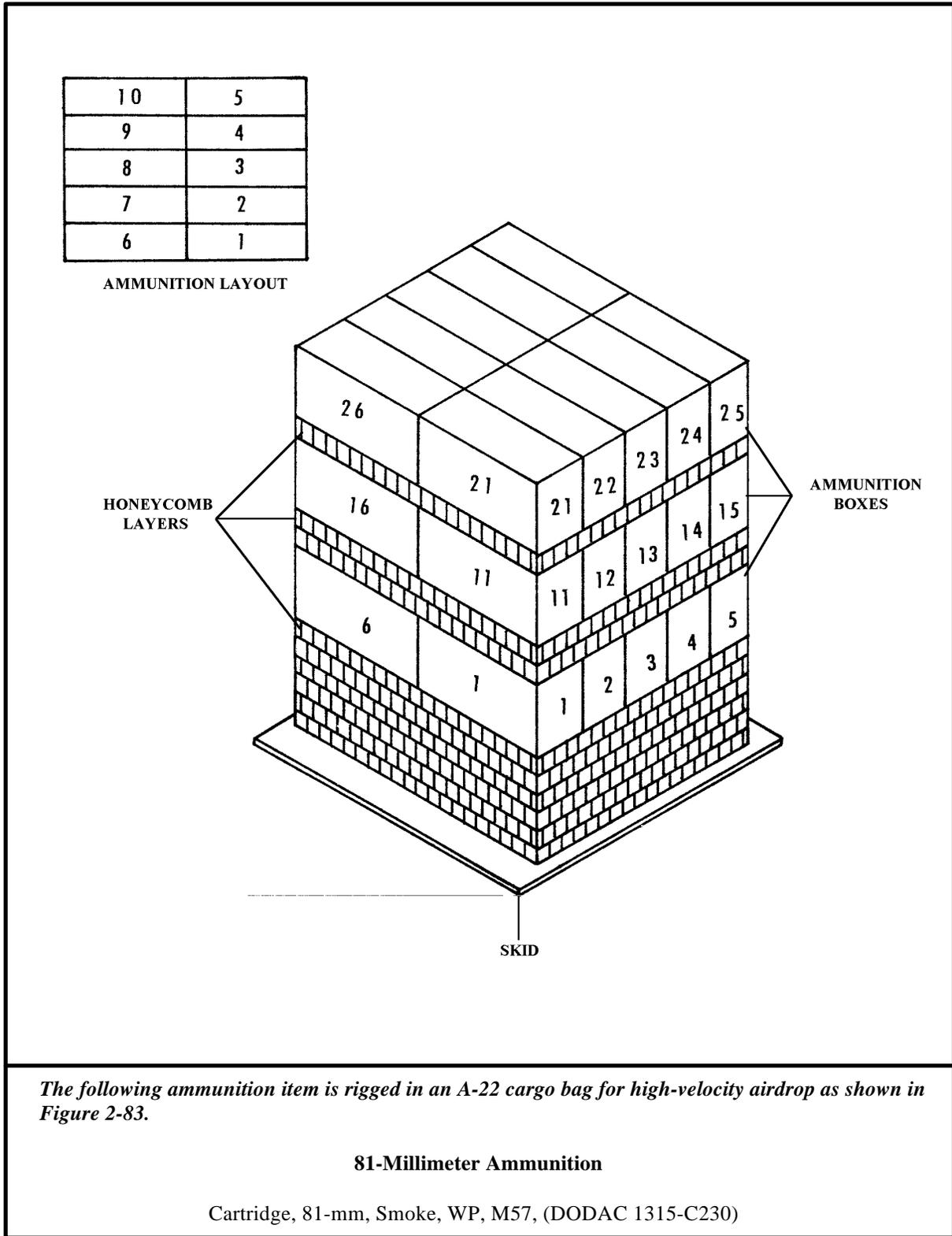


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-82.*

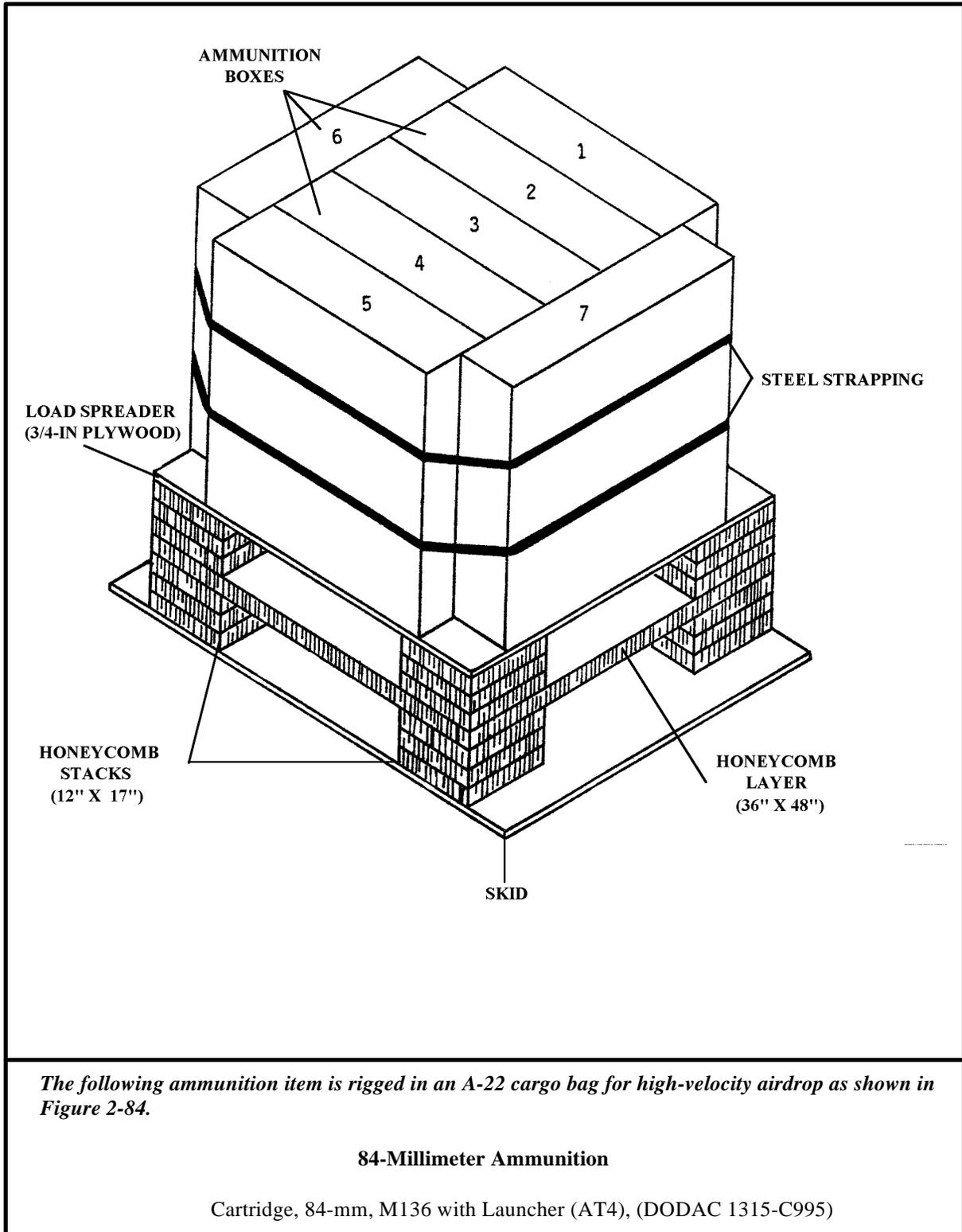
**81-Millimeter Ammunition**

Cartridge, 81-mm, Illuminating, M301A3, (DODAC 1315-C226)

*Figure 2-82. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*



*Figure 2-83. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*



*Figure 2-84. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

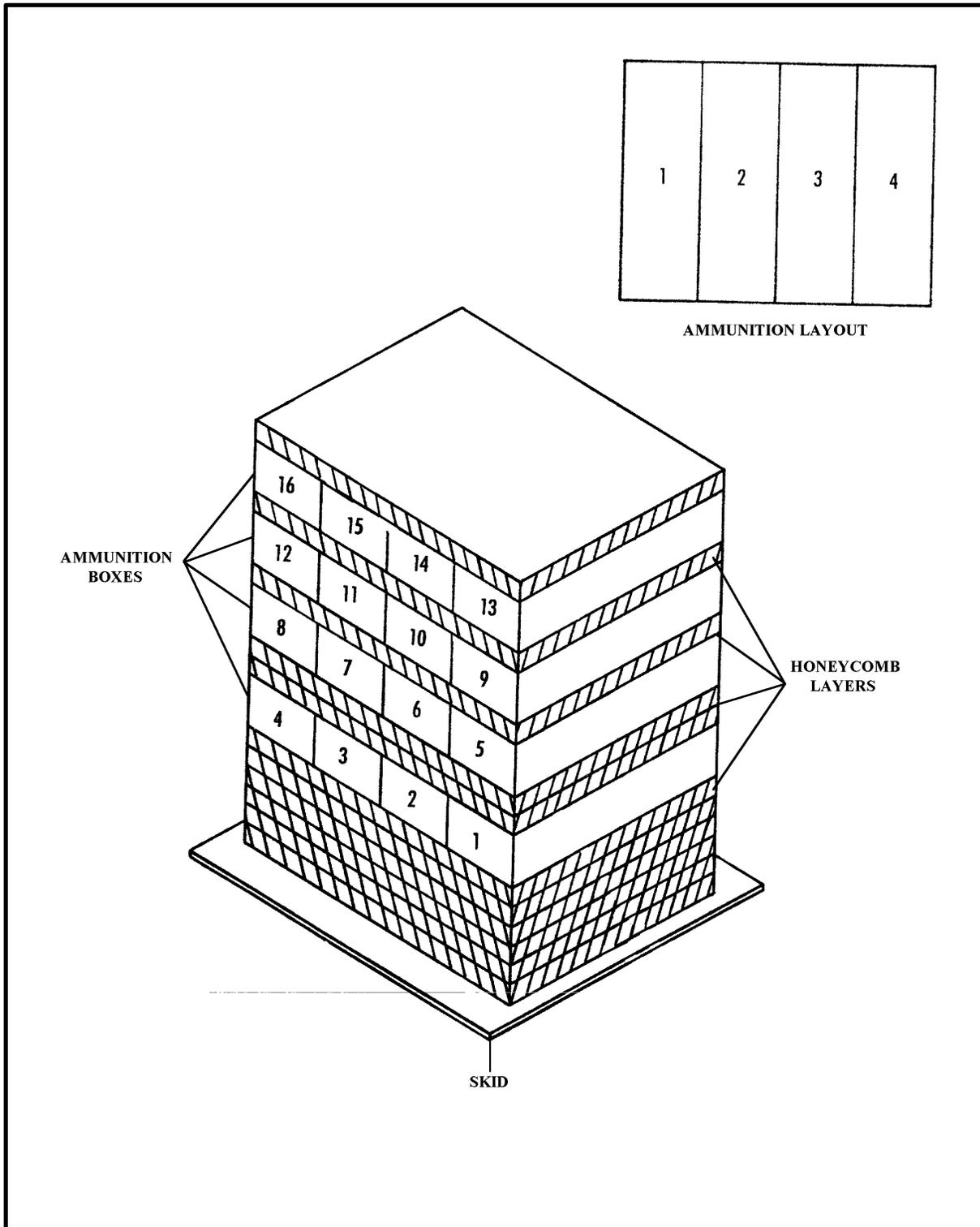


Figure 2-85. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-85.*

#### **90-Millimeter Ammunition**

Cartridge, 90-mm, WP, M313C, (DODAC 1315-C258)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C265)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C266)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C267)  
 Cartridge, 90-mm, Smoke, WP, M313, (DODAC 1315-C273)  
 Cartridge, 90-mm, APERS-T, M580, (DODAC 1315-C275)  
 Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODAC 1315-C280)  
 Cartridge, 90-mm, AP-T, M318 or M318A1, (DODAC 1315-C285)  
 Cartridge, 90-mm, HEP-T, T142E3, (DODAC 1315-C292)  
 Cartridge, 90-mm, HEAT, M431, (DODAC 1315-C294)  
 Cartridge, 90-mm, Canister, M377, (DODAC 1315-C601)

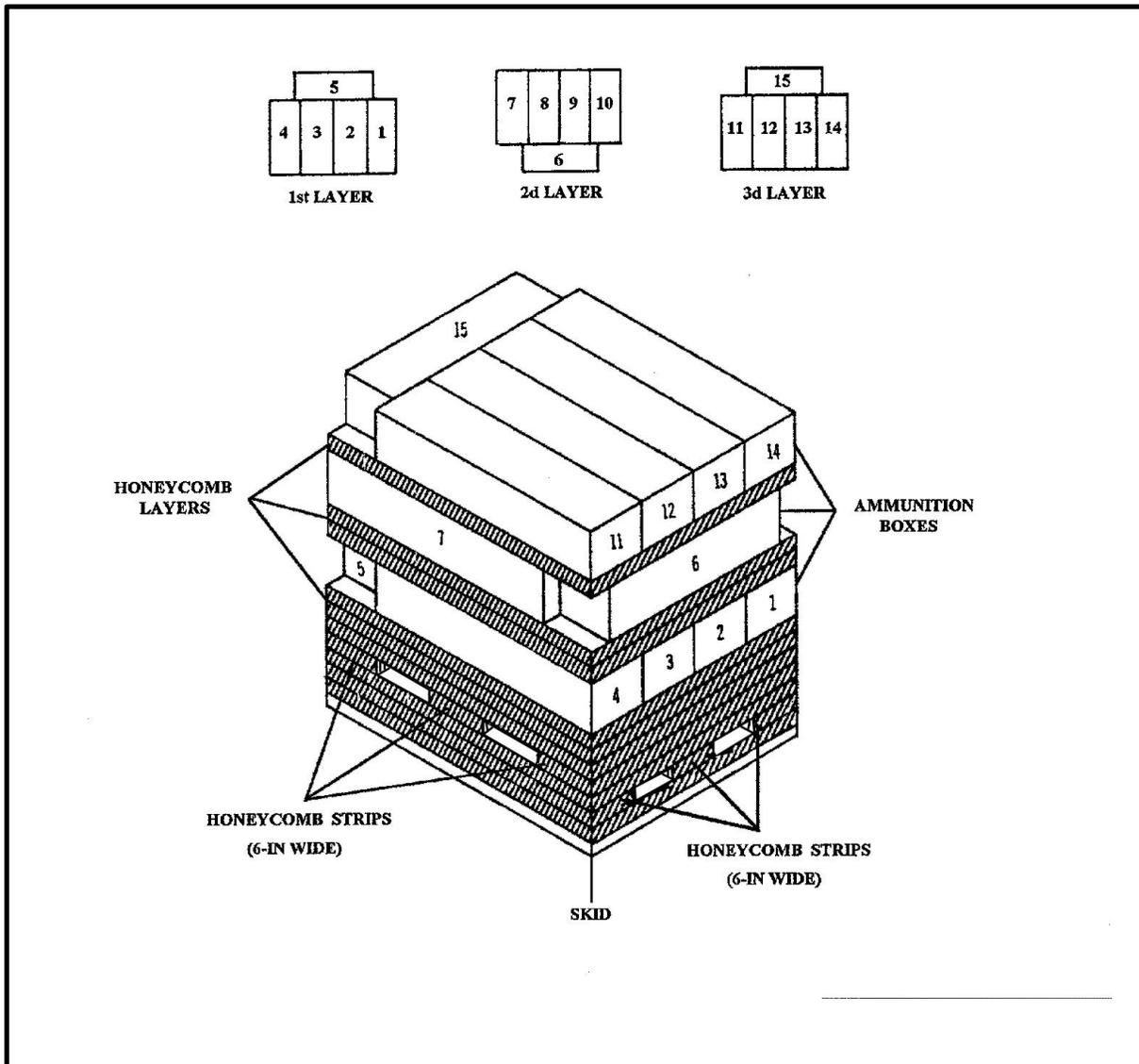
#### **105-Millimeter Ammunition**

Cartridge, 105-mm, HE, M1, (DODAC 1315-C443)  
 Cartridge, 105-mm, HE, M1, (DODAC 1315-C444)  
 Cartridge, 105-mm, HE, M1, (DODAC 1315-C445)  
 Cartridge, 105-mm, HEP-T, M327, (DODAC 1315-C448)  
 Cartridge, 105-mm, Illuminating, M314A3, (DODAC 1315-C449)  
 Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODAC 1315-C452)  
 Cartridge, 105-mm, Smoke, WP, M60, (DODAC 1315-C454)  
 Cartridge, 105-mm, HE, M444, (DODAC 1315-C462)  
 Cartridge, 105-mm, Tactical, CS, M629, (DODAC 1315-C468)  
 Cartridge, 105-mm, Smoke, WP, M60, (DODAC 1315-C477)  
 Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563,  
 (DODAC 1315-C513)

#### **106-Millimeter Ammunition**

Cartridge, 106-mm, HEAT, M344A1, (DODAC 1315-C650)  
 Cartridge, 106-mm, HEP-T, M346A1, (DODAC 1315-C651)  
 Cartridge, 106-mm, APERS-T, M581, (DODAC 1315-C660)

*Figure 2-85. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-86.*

**90-Millimeter Ammunition**

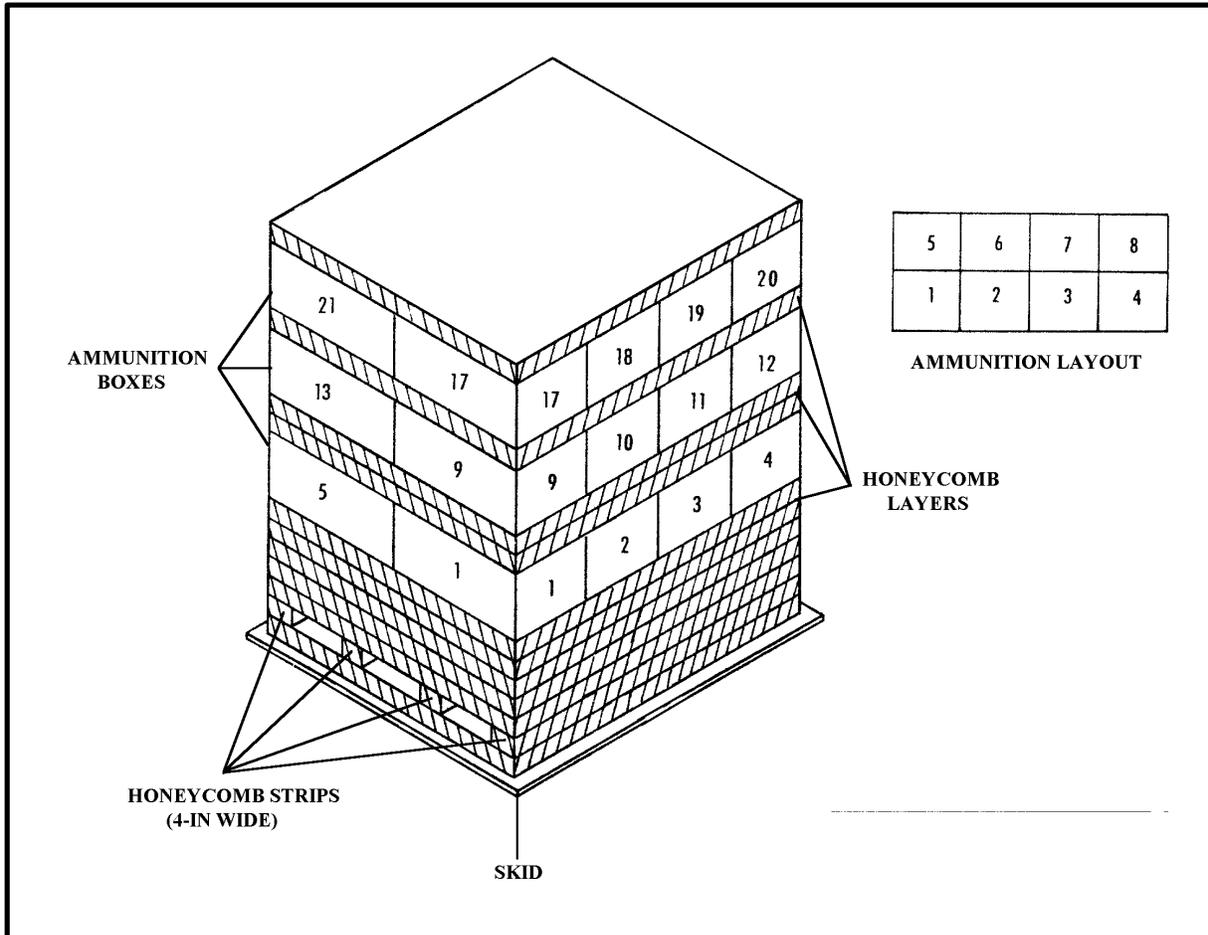
Cartridge, 90-mm, HEAT, M371, (DODAC 1315-C282)

**Demolition Items**

Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate, (DODAC 1375-M039)

Cord, Detonating, Reinforced Pliofilm/Wrapped Waterproof, Type I, (DODAC 1375-M456)

*Figure 2-86. 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 2-87.*

**90-Millimeter Ammunition**

Cartridge, 90-mm, Canister, APERS, M590, (DODAC 1315-C410)

**Mine**

Mine, AP, M26, (DODAC 1345-K146)

**Demolition Items**

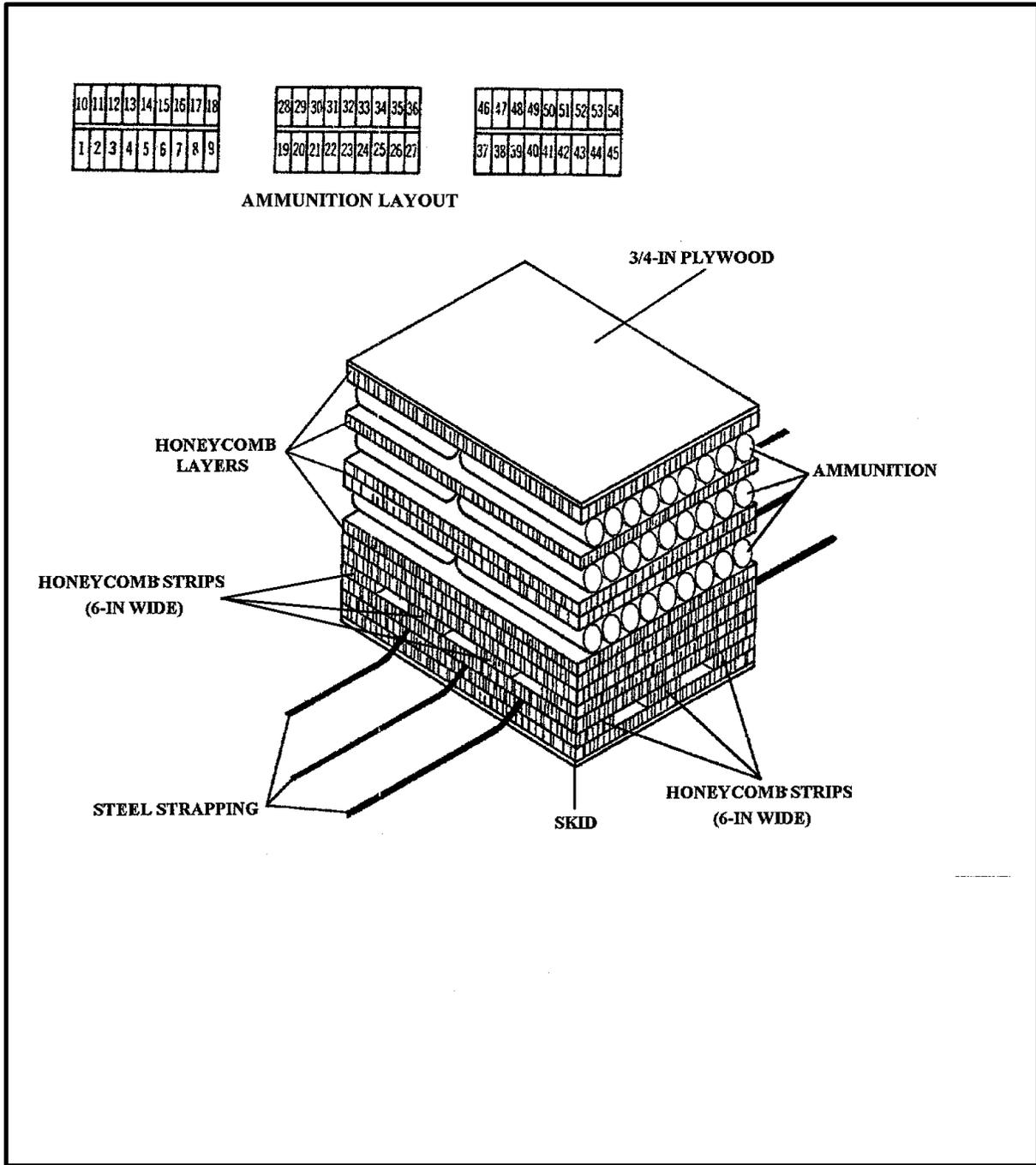
Charge, Demolition, Block, 1/2-lb TNT, (DODAC 1375-M031)

Charge, Demolition, Block, 1-lb TNT, (DODAC 1375-M032)

Firing Device, Demolition, M5, Pressure-Release Type, (DODAC 1375-M627)

Firing Device, Demolition, M1, Pull Type, (DODAC 1375-M630)

*Figure 2-87. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

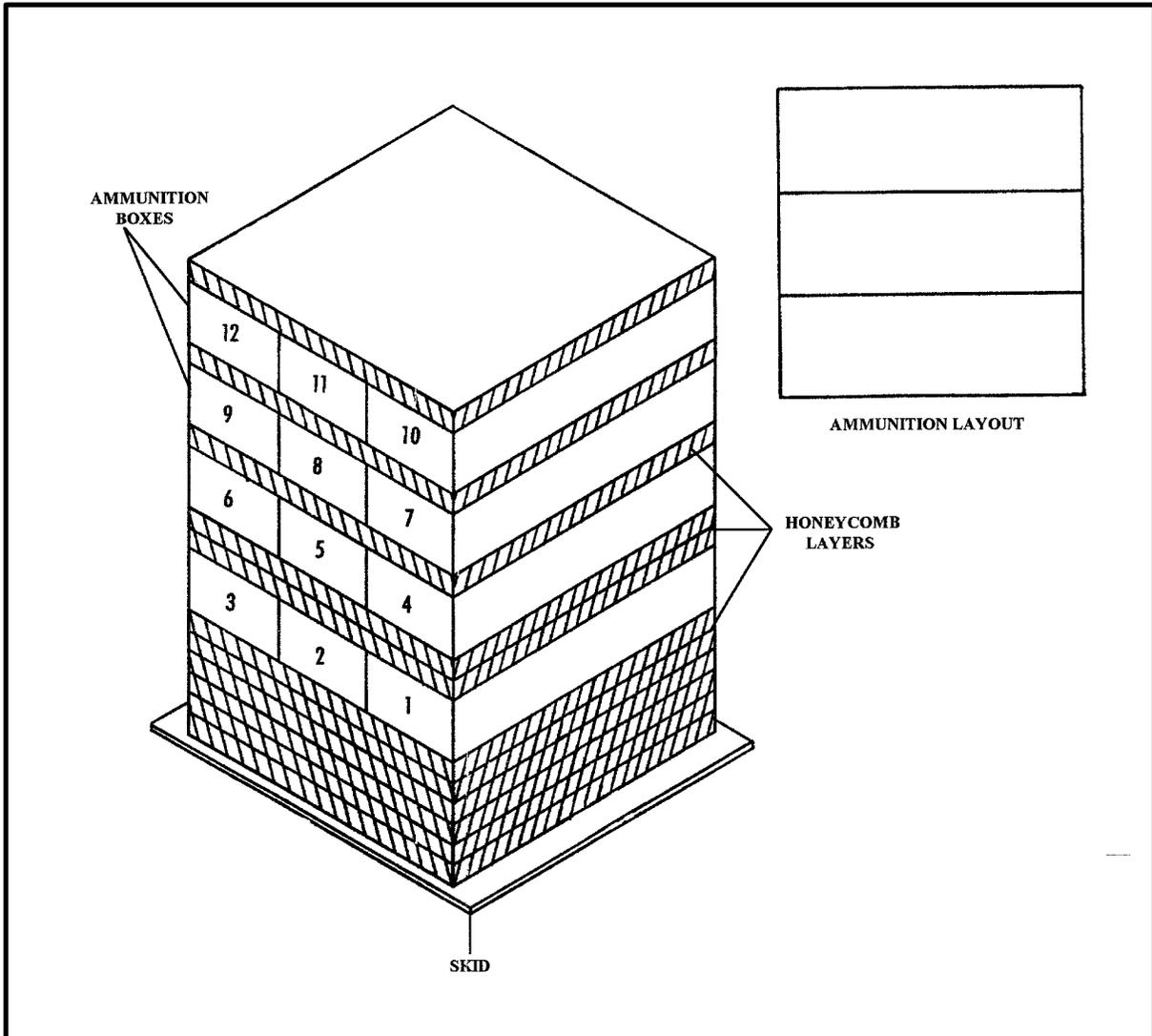


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-88.*

**90-Millimeter Ammunition  
(Rigging Fiber Container)**

Cartridge, 90-mm, Canister, APERS, M590, (DODAC 1315-C140)

*Figure 2-88. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

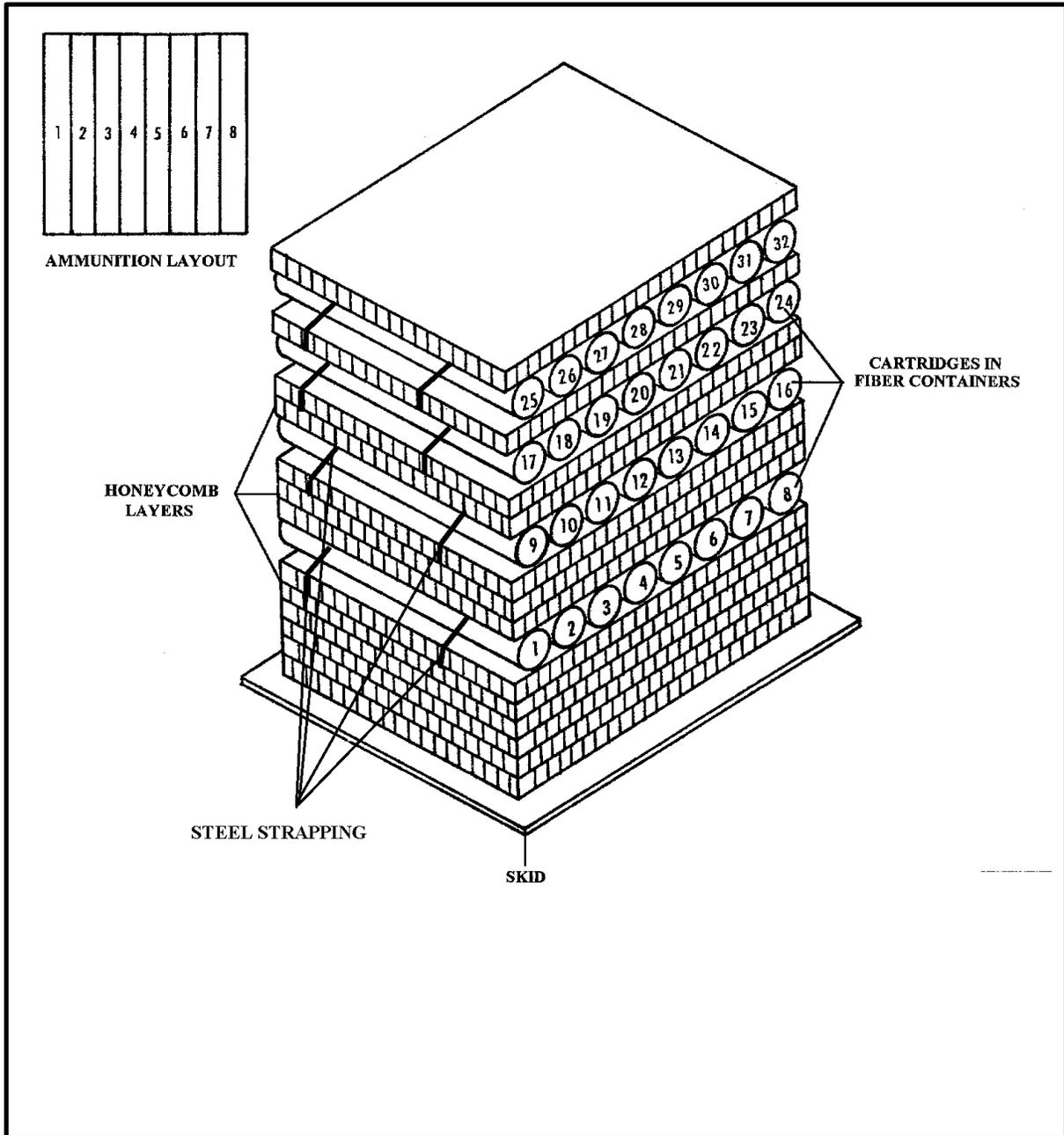


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-89.*

**105-Millimeter Ammunition**

- Cartridge, 105-mm, HE, XM548E1, (DODAC 1315-C463)
- Cartridge, 105-mm, APDS-T, M728, (DODAC 1315-C494)
- Cartridge, 105-mm, APDS-T, M392A2, (DODAC 1315-C505)
- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODAC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODAC 1315-C511)
- Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1 (DODAC 1315-C512)
- Cartridge, 105-mm, HEP-T, M393A2, (DODAC 1315-C518)
- Cartridge, 105-mm, APER-T, M494 with Fuze M571, (DODAC 1315-C519)

*Figure 2-89. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

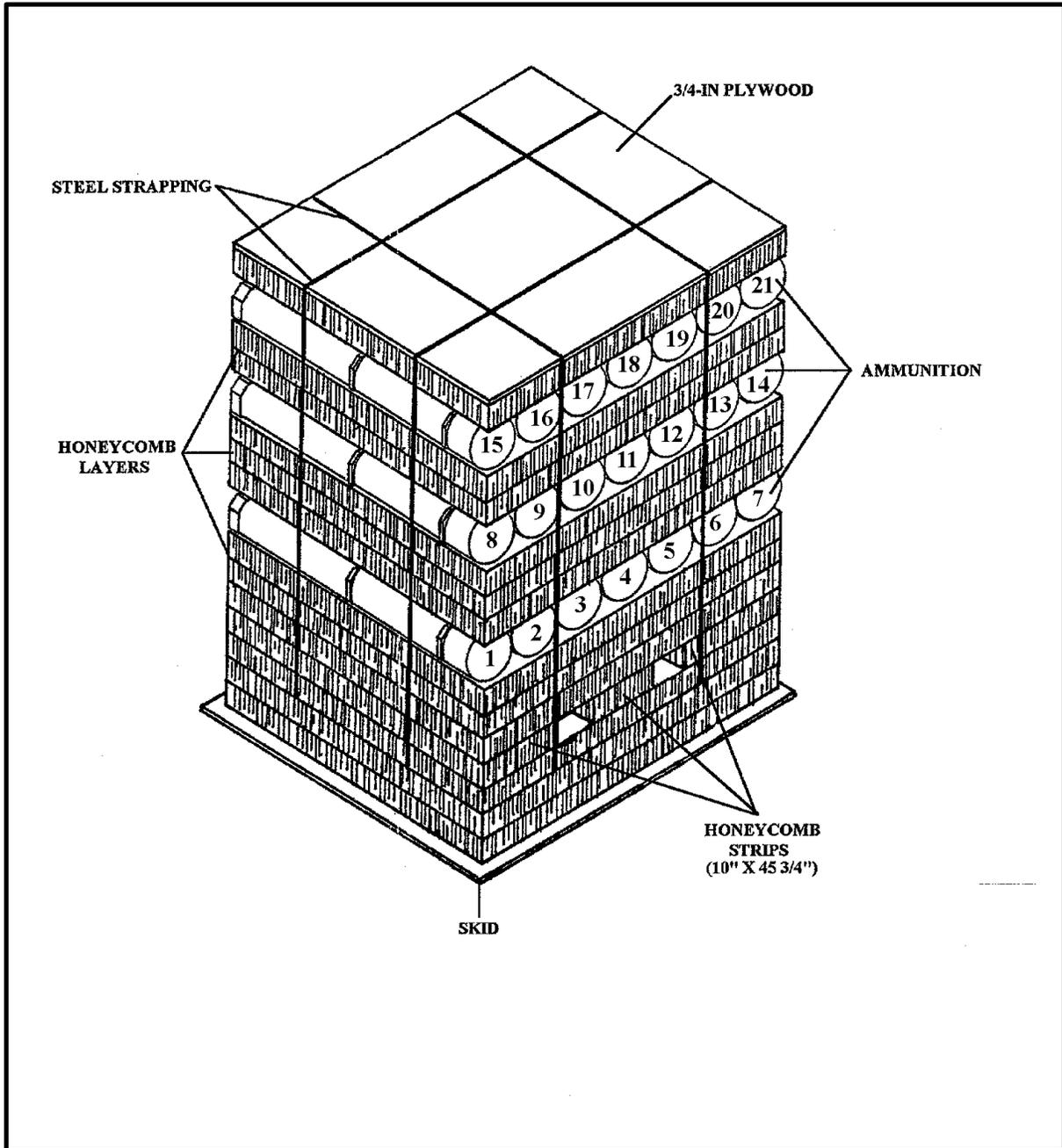


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-90.*

**105-Millimeter Ammunition  
(Rigging Fiber Containers)**

- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODAC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODAC 1315-C511)

*Figure 2-90. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

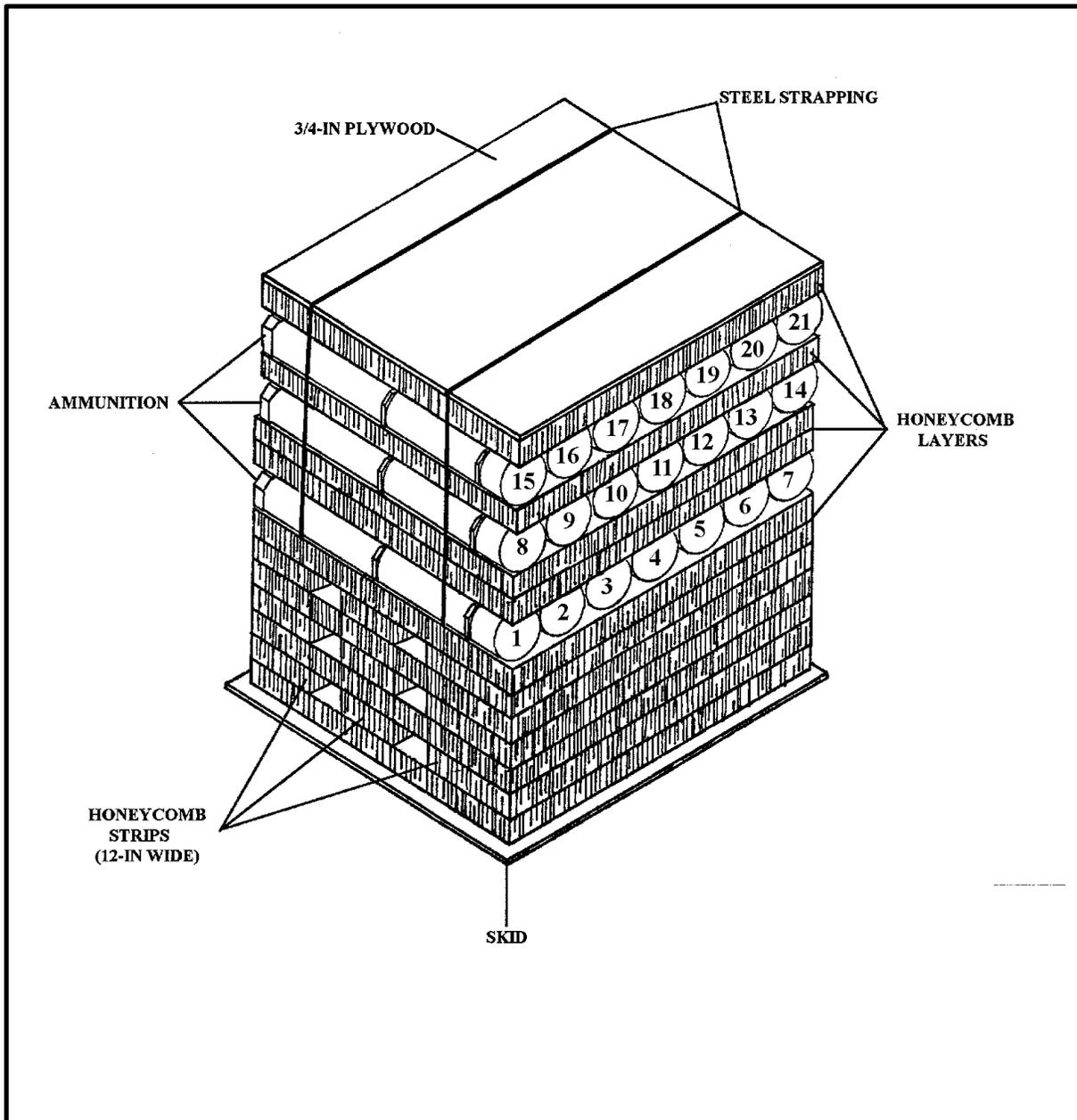


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-91.*

**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, M833, (DODAC 1315-C524)

*Figure 2-91. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

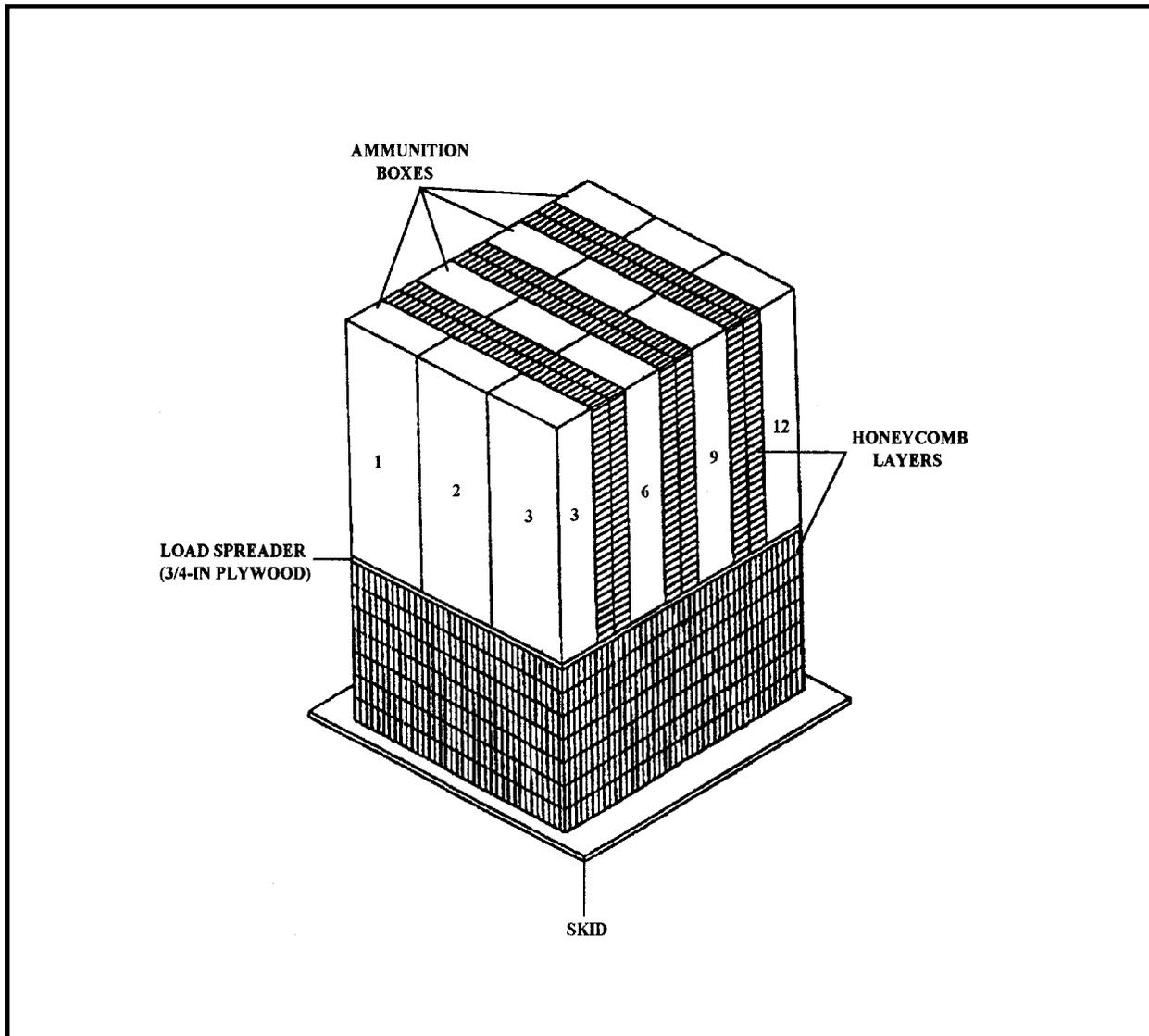


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-92.*

**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, XM900E1, (DODAC 1315-C543)

*Figure 2-92. 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 2-93.*

**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*

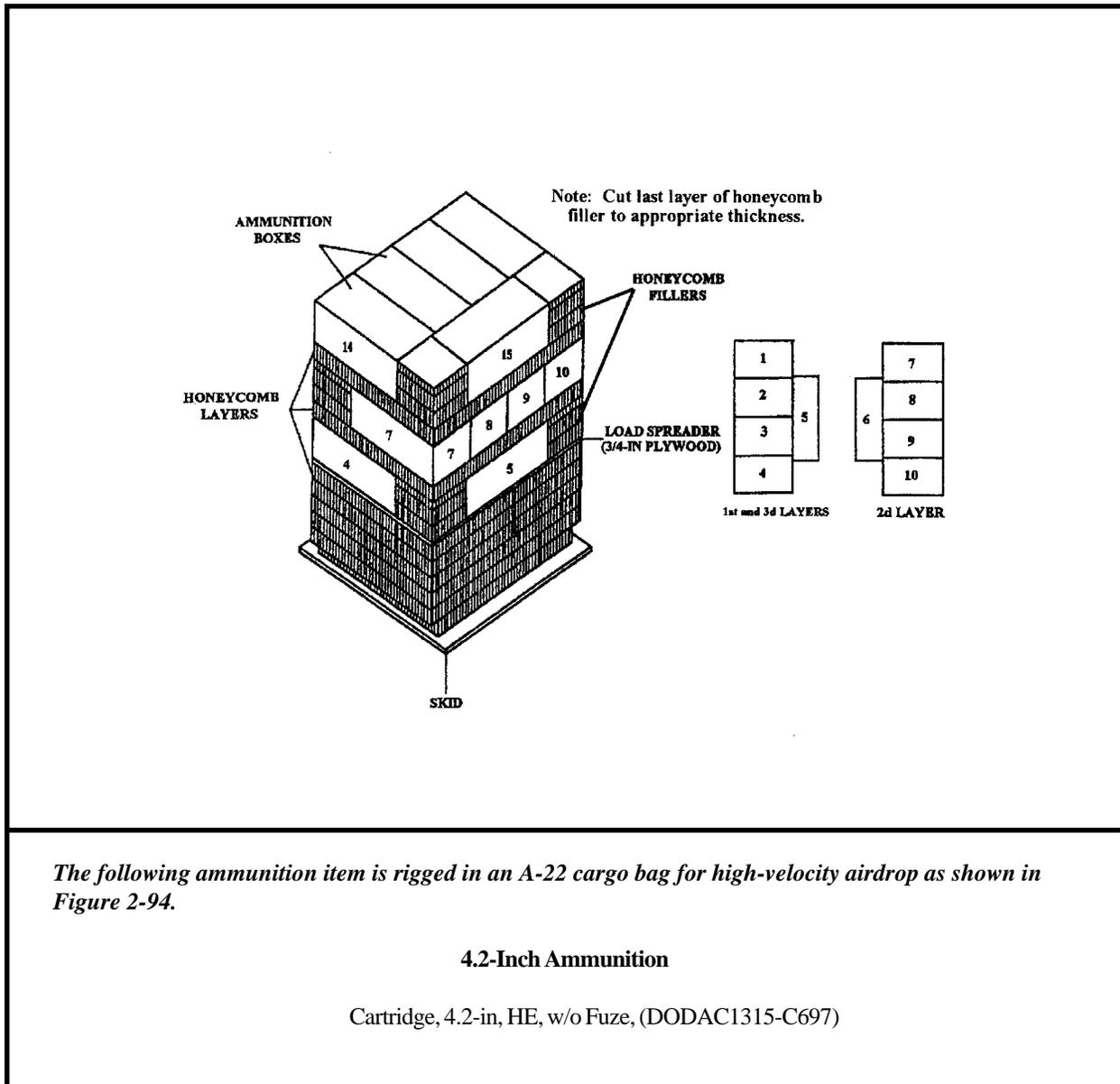
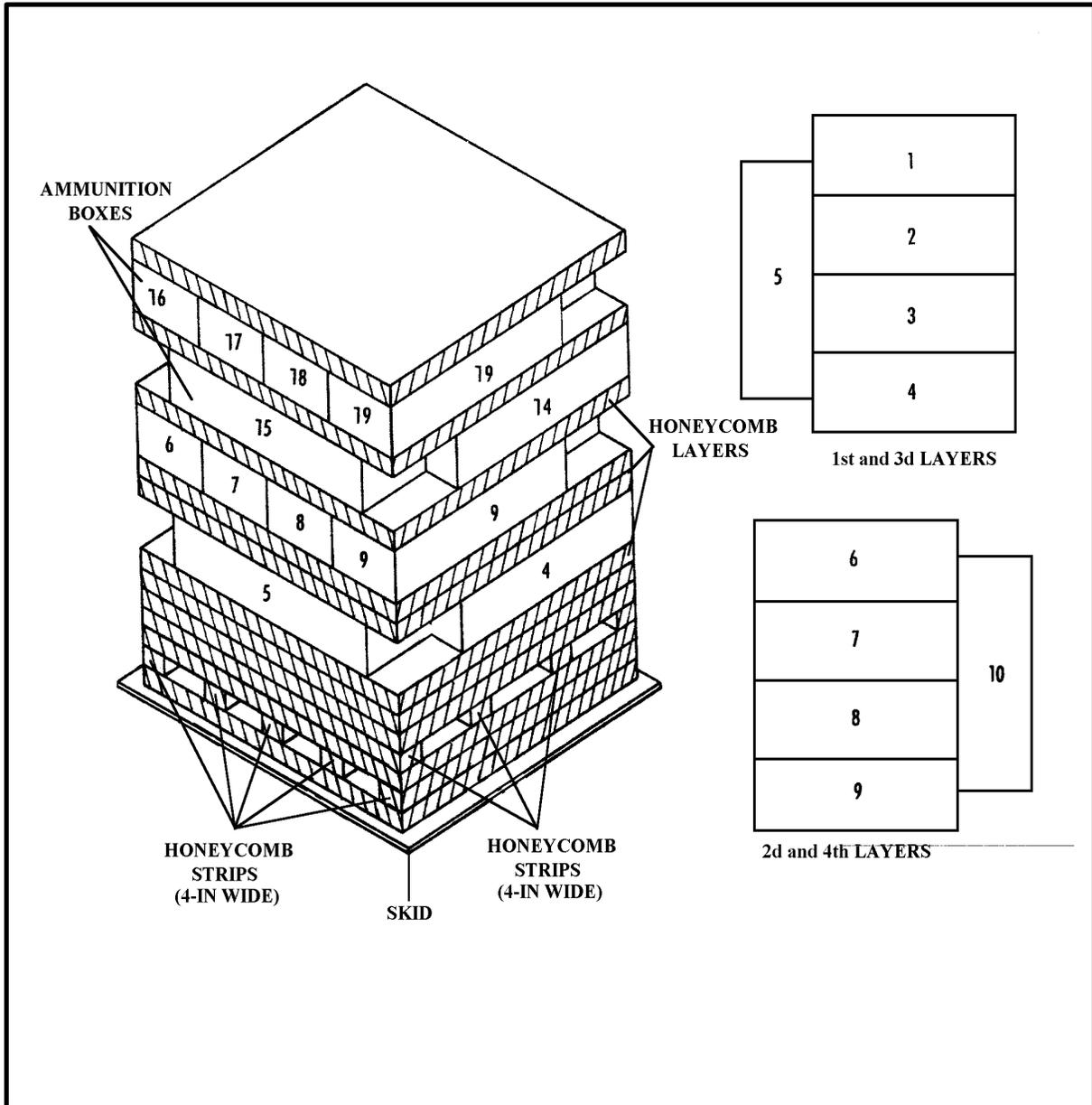


Figure 2-94. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-95.*

**4.2-Inch Ammunition**

- Cartridge, 4.2-in, HE, M329A1, (DODAC 1315-C704)
- Cartridge, 4.2-in, HE, M329A1, (DODAC 1315-C705)
- Cartridge, 4.2-in, Illuminating, M335A2, (DODAC 1315-C706)
- Cartridge, 4.2-in, Smoke, WP, M328A1, (DODAC 1315-C708)

*Figure 2-95. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

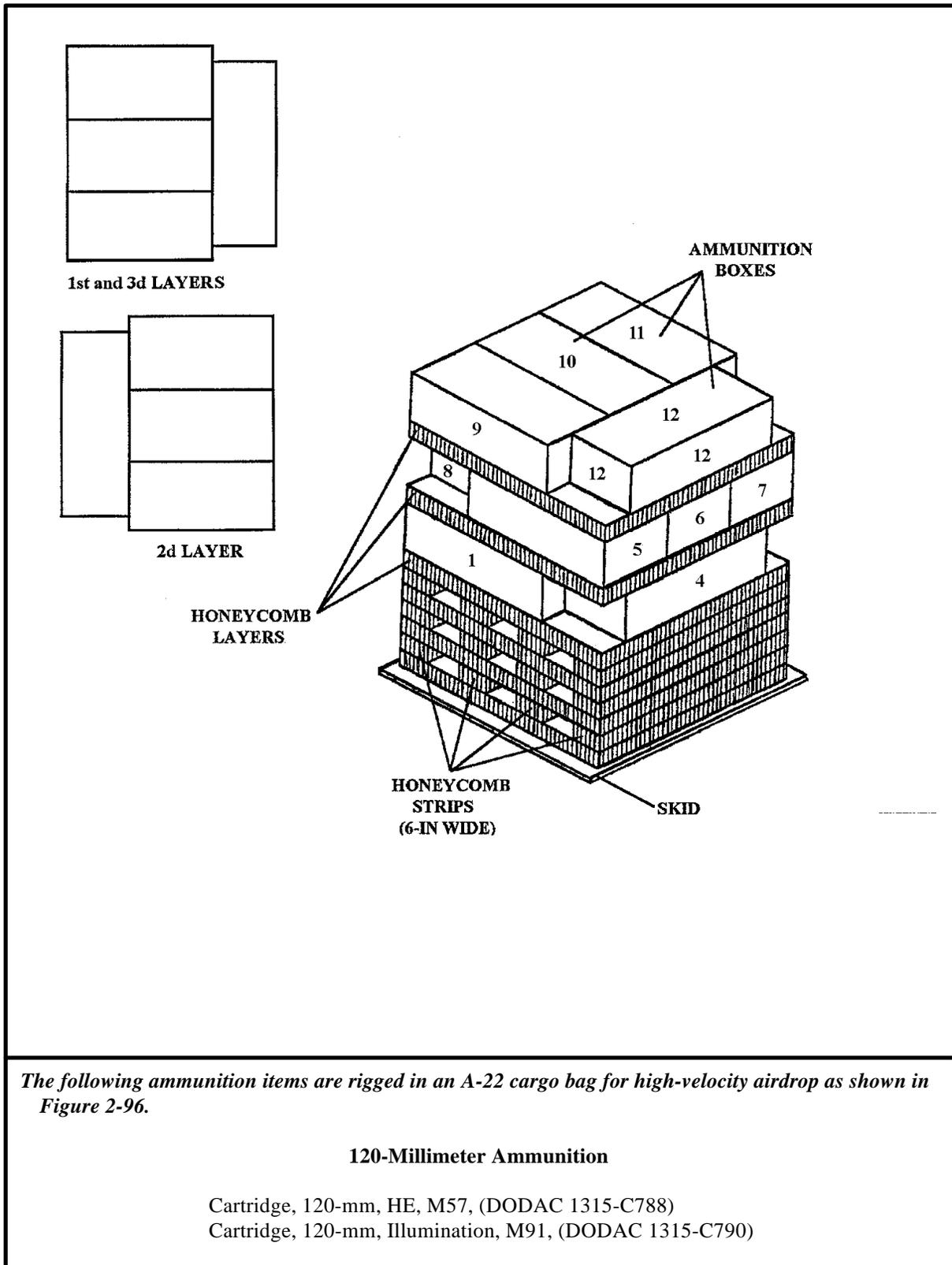
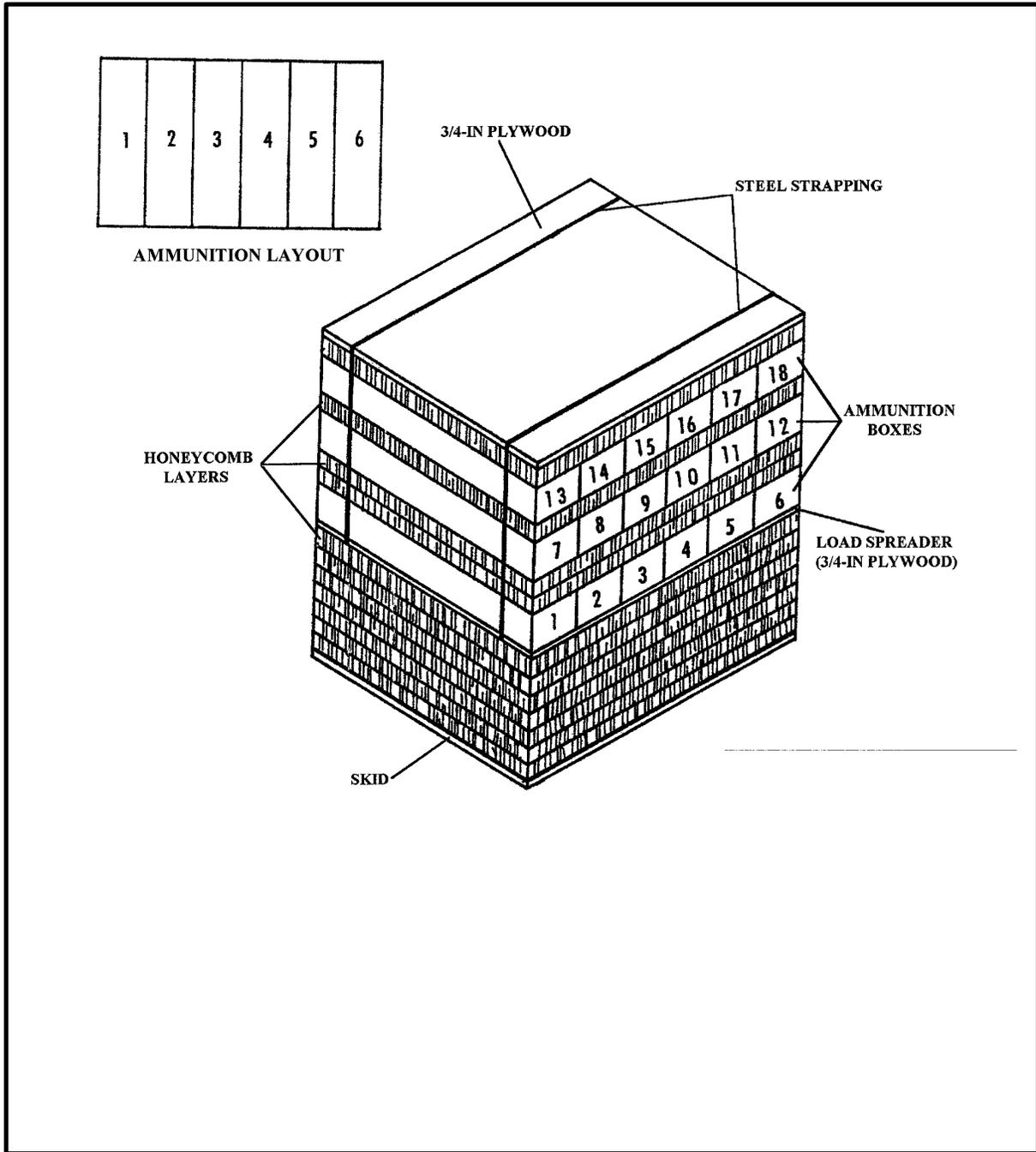


Figure 2-96. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

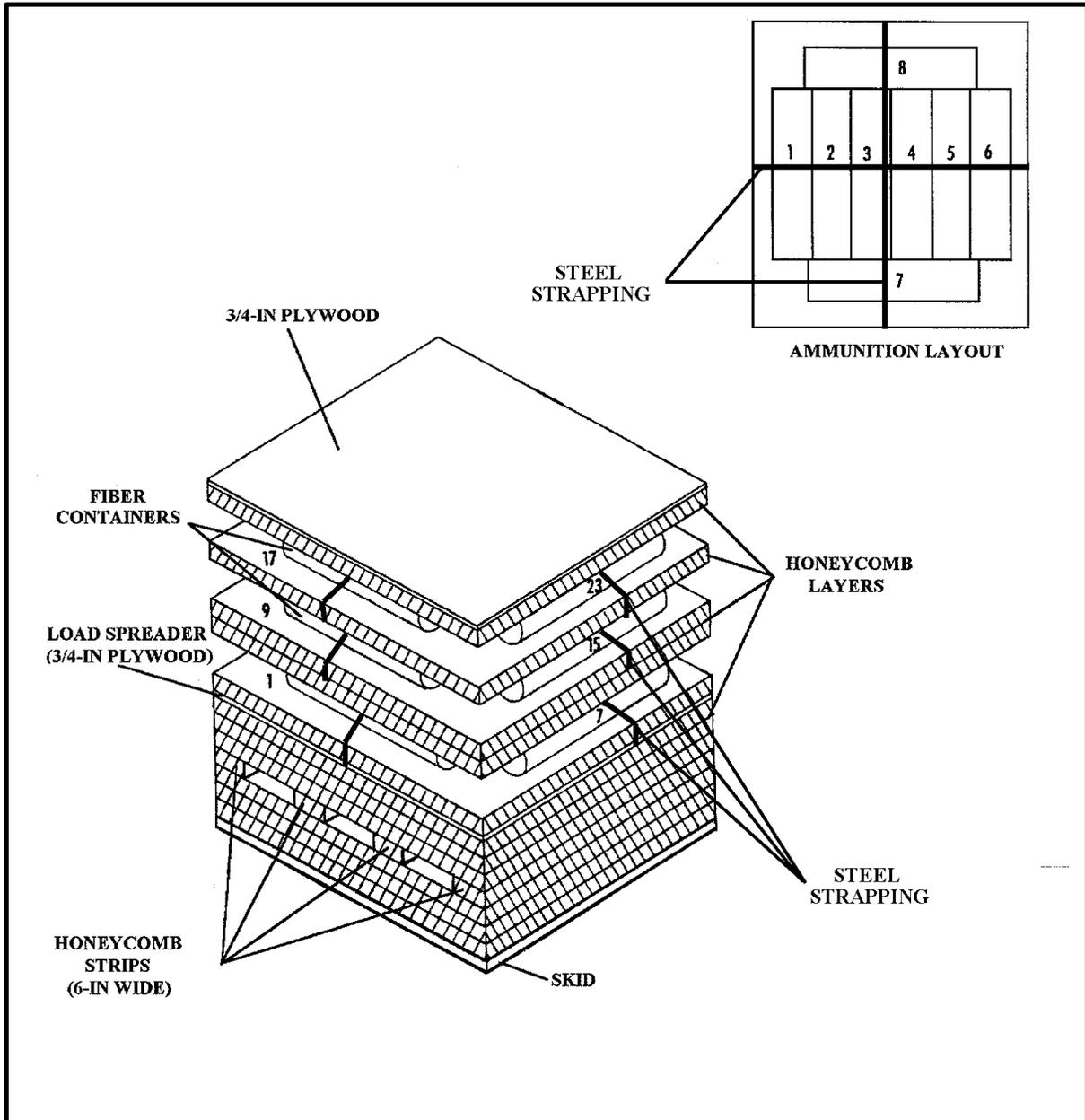


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-97.*

**152-Millimeter Ammunition**

Cartridge, 152-mm, TD-T, XM411E3, (DODAC 1320-D380)

*Figure 2-97. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

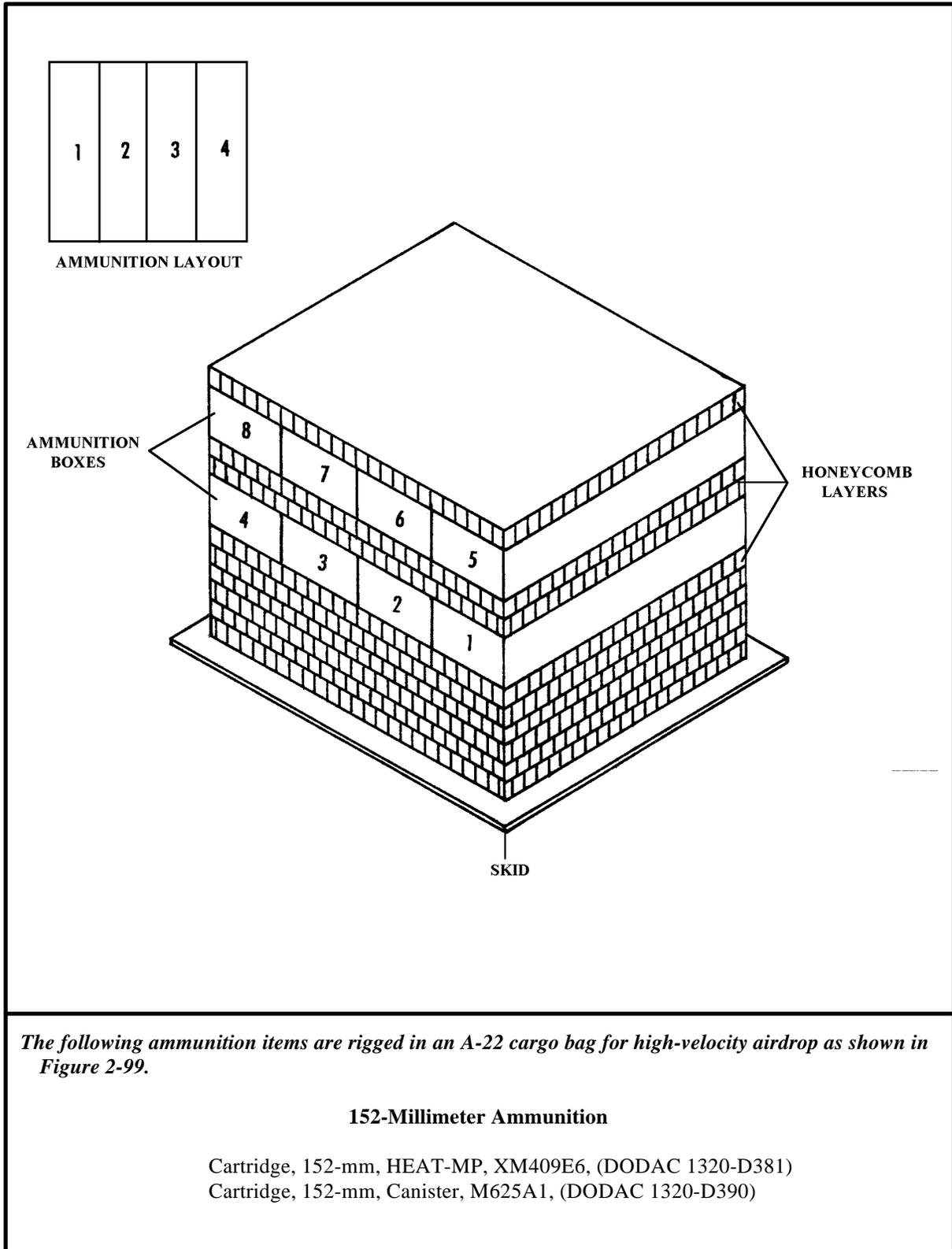


The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-98.

**152-Millimeter Ammunition  
(Rigging Fiber Containers)**

- Cartridge, 152-mm, HEAT-MP, XM409E6, (DODAC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODAC 1320-D390)

*Figure 2-98. 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 2-99.*

**152-Millimeter Ammunition**

- Cartridge, 152-mm, HEAT-MP, XM409E6, (DODAC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODAC 1320-D390)

*Figure 2-99. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

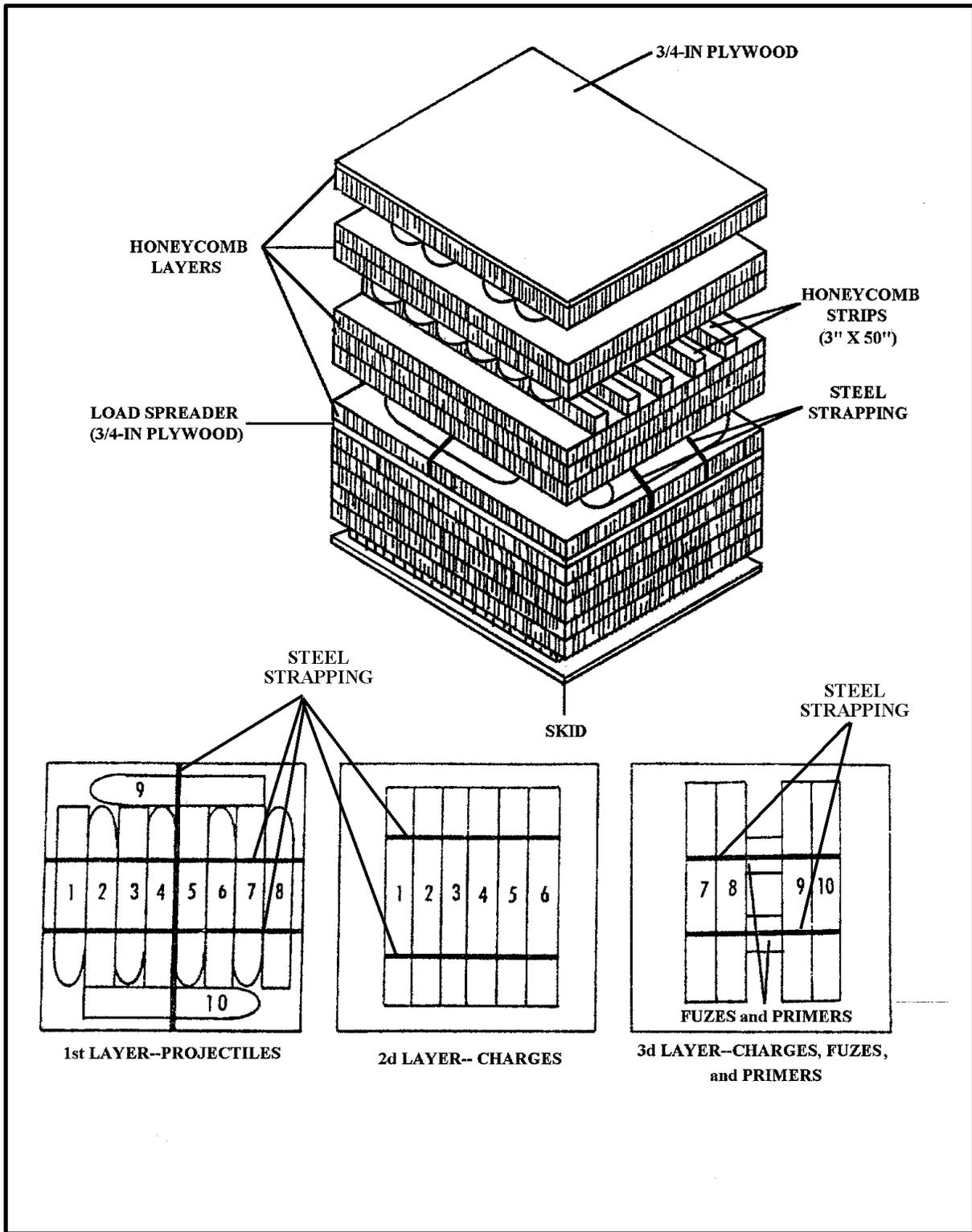


Figure 2-100. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

*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)*

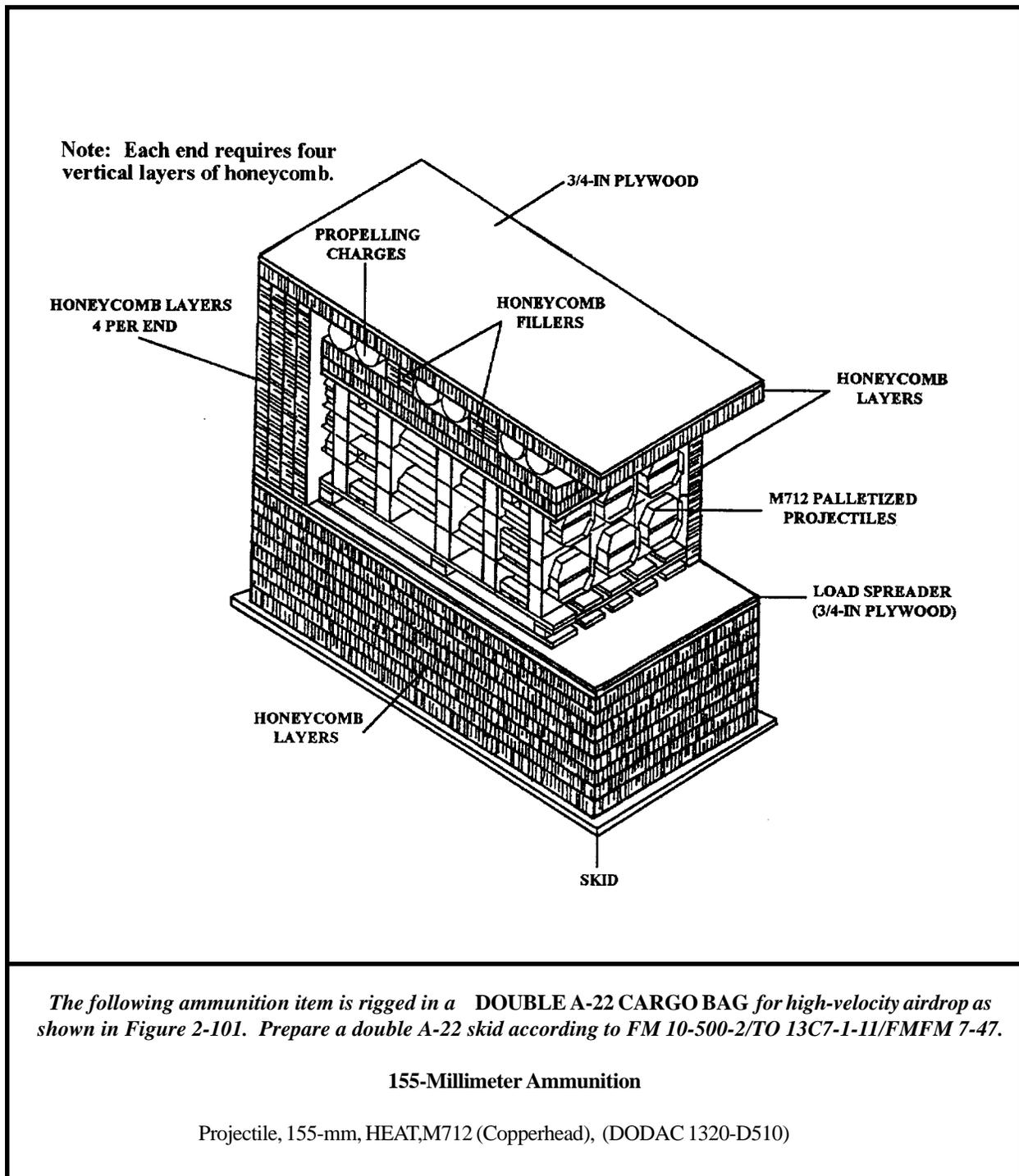
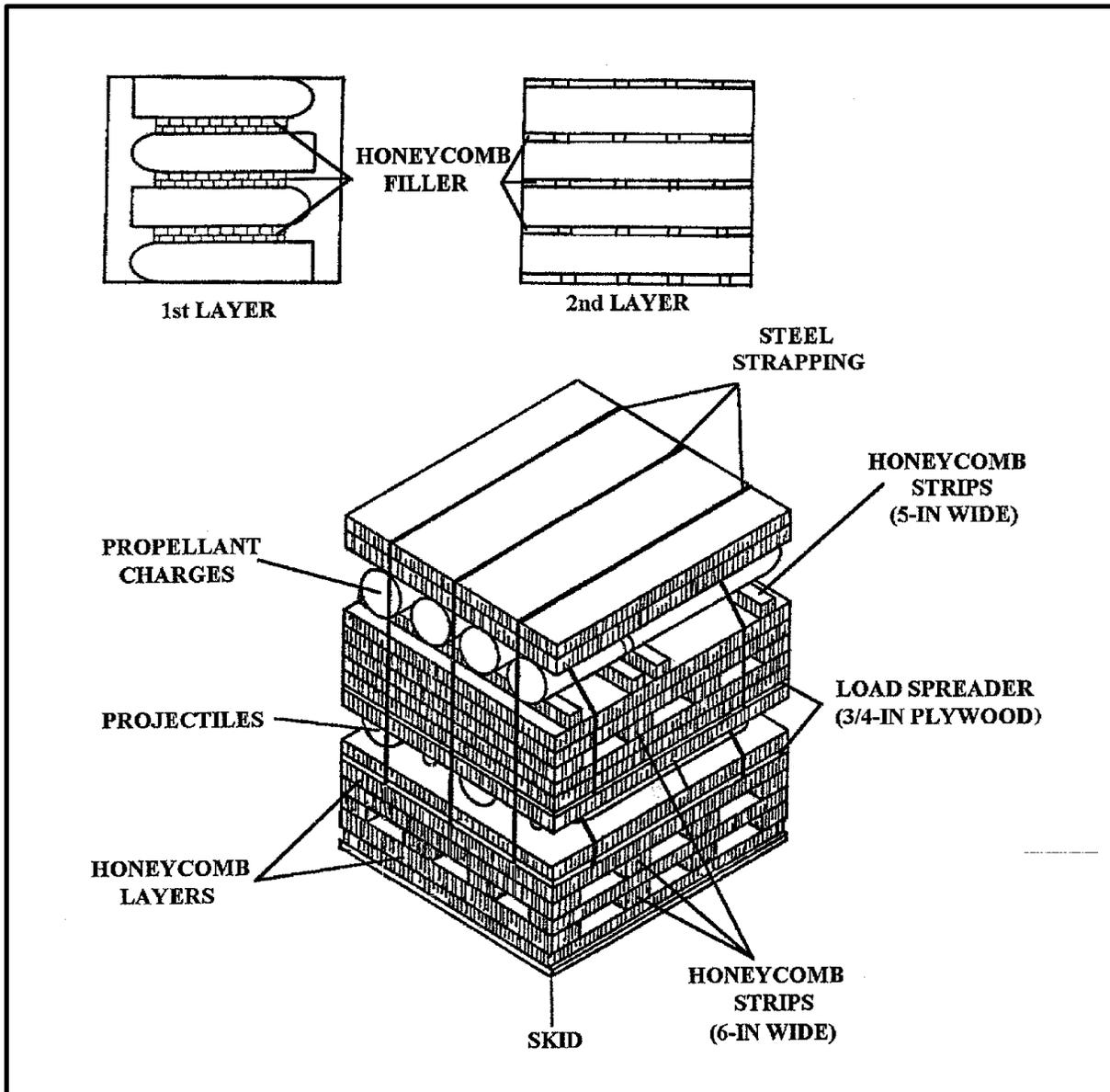


Figure 2-101. Ammunition layout in a DOUBLE A-22 CARGO BAG for high-velocity airdrop



The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-102.

**175-Millimeter Ammunition**

Charge, Propelling, 175-mm, WB, M86A2 with additive Jacket M1 and Primer Percussion M82, (DODAC 1320-D361)  
 Projectile, 175-mm, HE, M437A2, (DODAC 1320-D572)

Note: Required fuzes are rigged with the load.

Figure 2-102. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

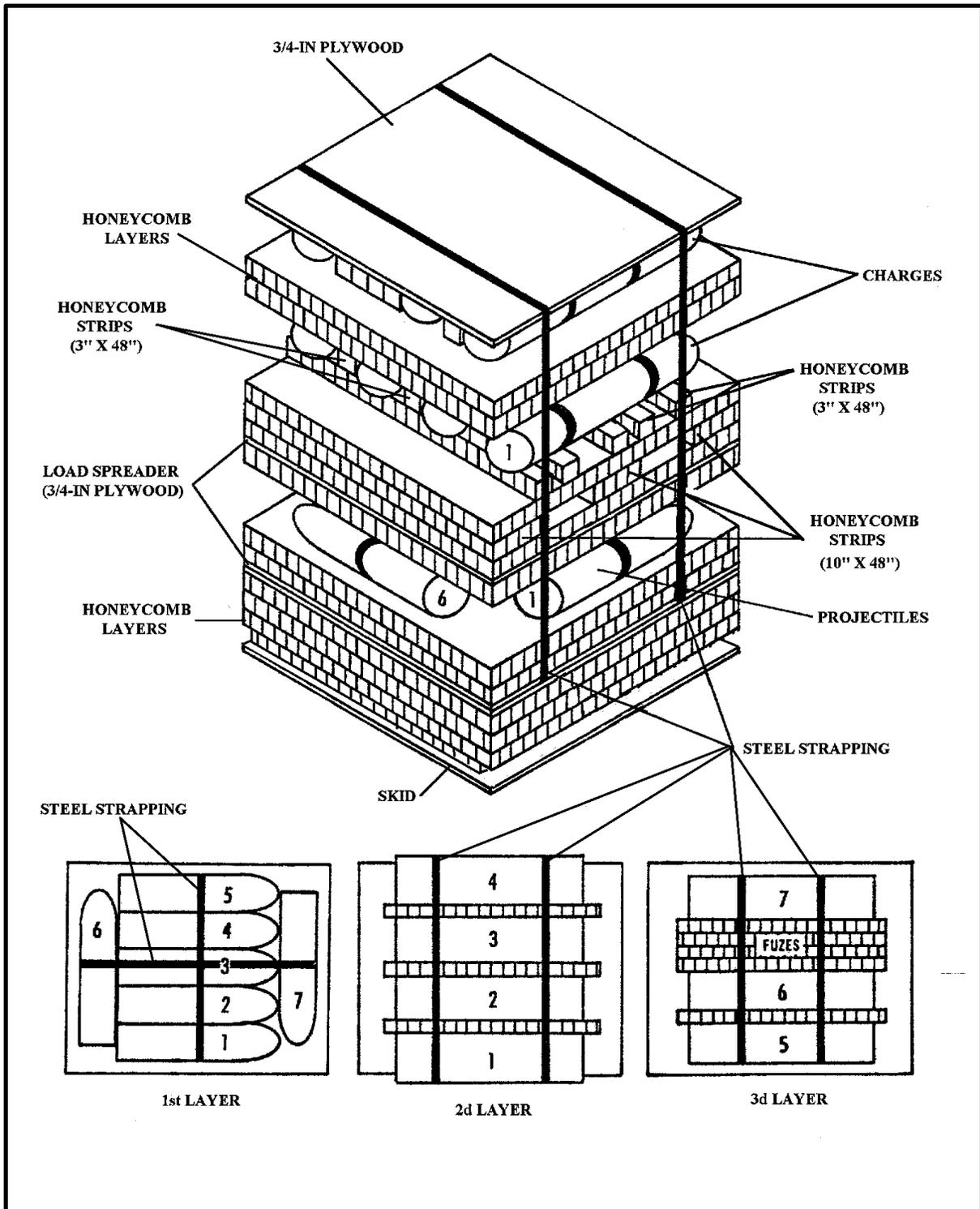


Figure 2-103. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

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

**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)*

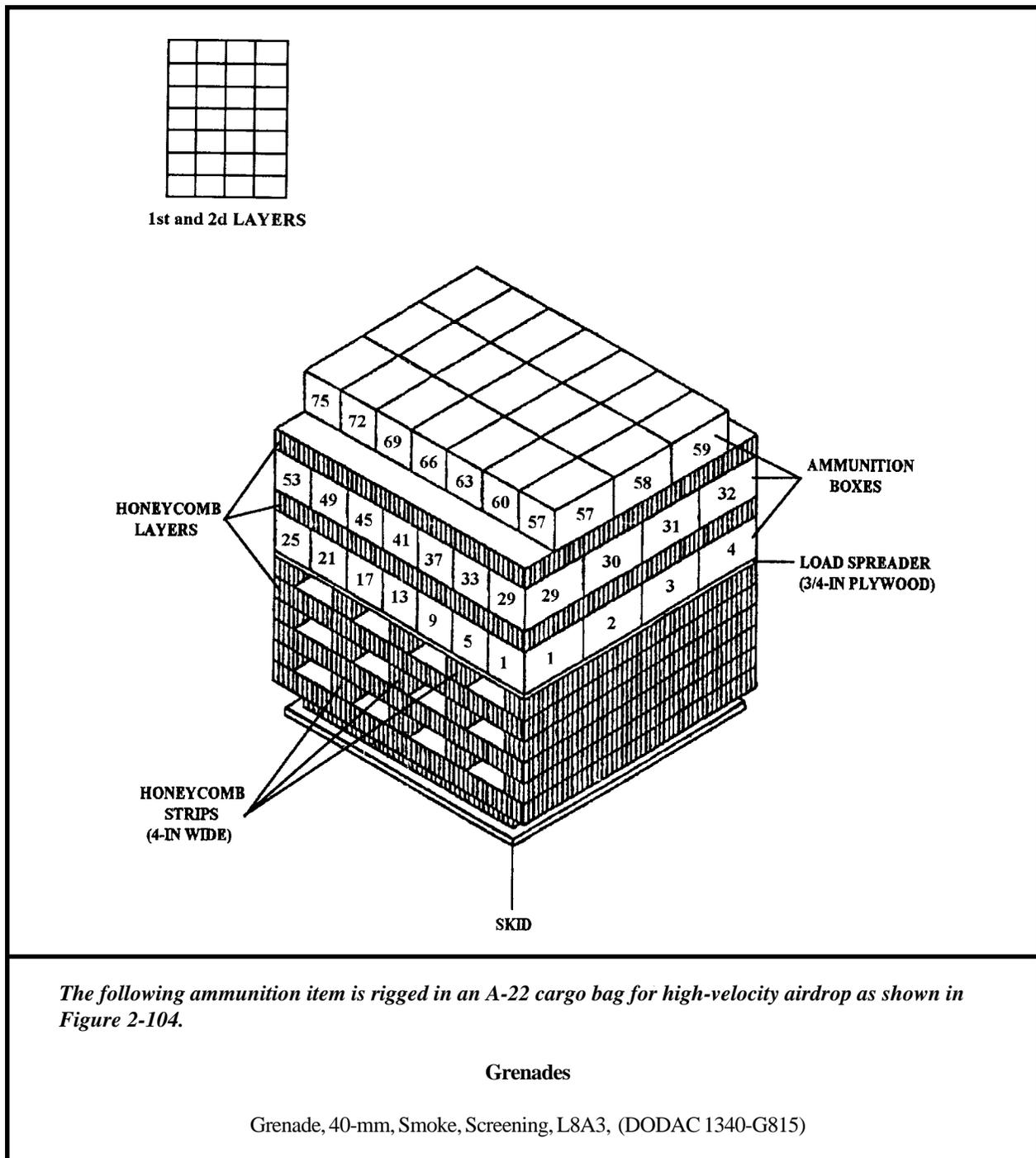
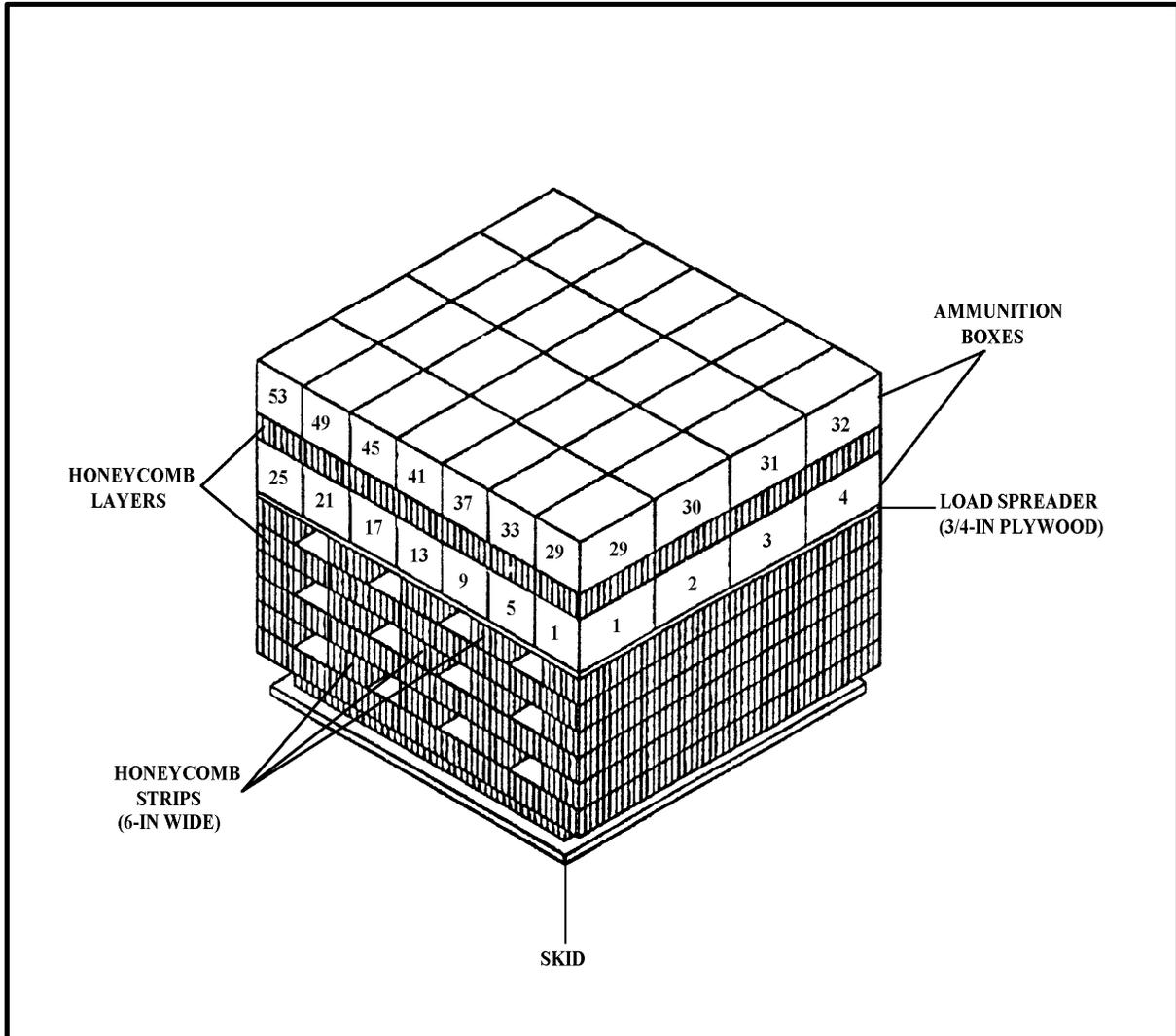


Figure 2-104. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

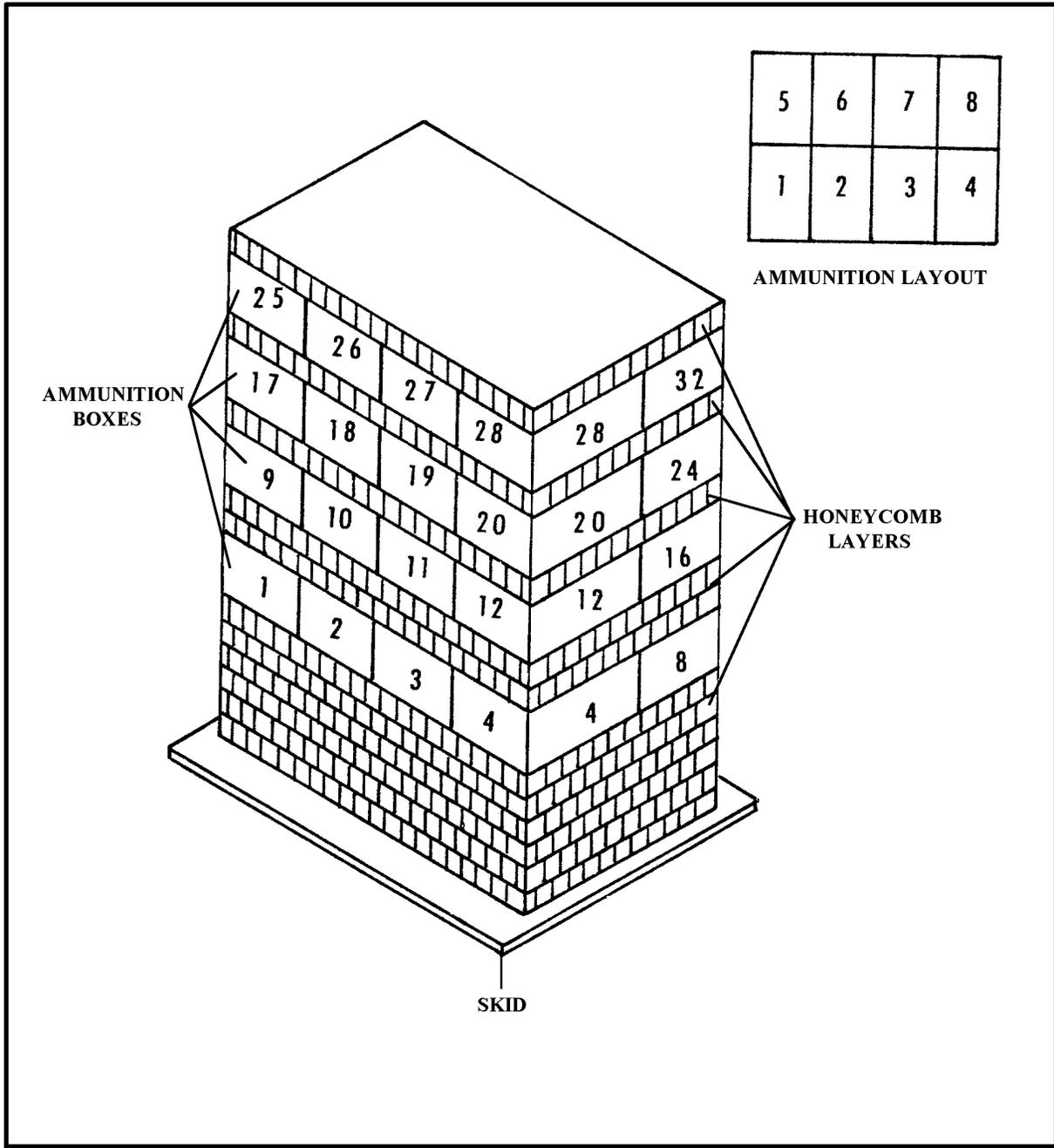


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-105.*

**Grenades**

Launcher, Grenade, 40-mm, Smoke, IR Screening, M76, (DODAC 1330-G826)

*Figure 2-105. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

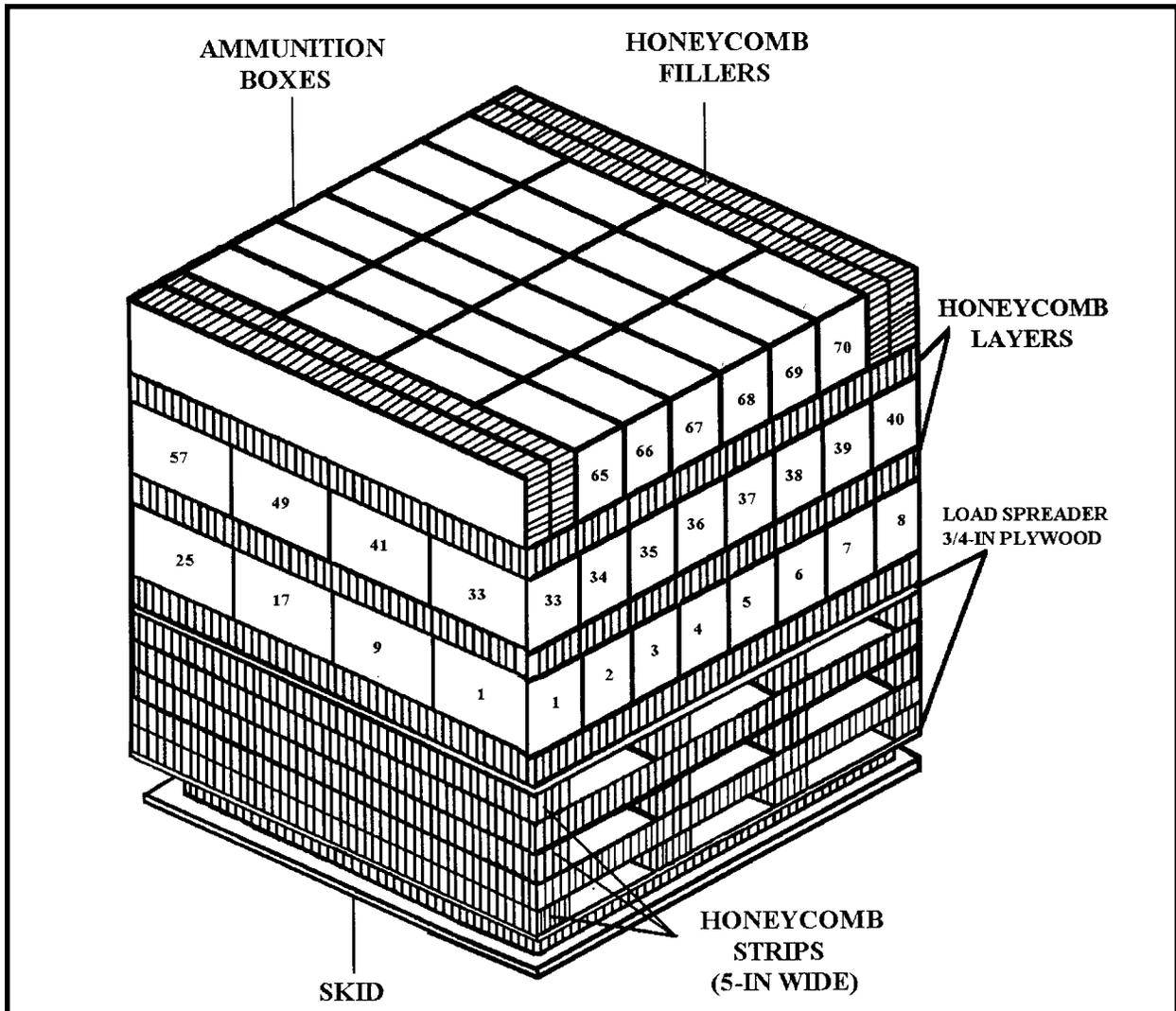


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-106.*

**Grenade**

Grenade, Hand, Offensive, MK3A2 with Fuze, (DODAC 1330-G911)

*Figure 2-106. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

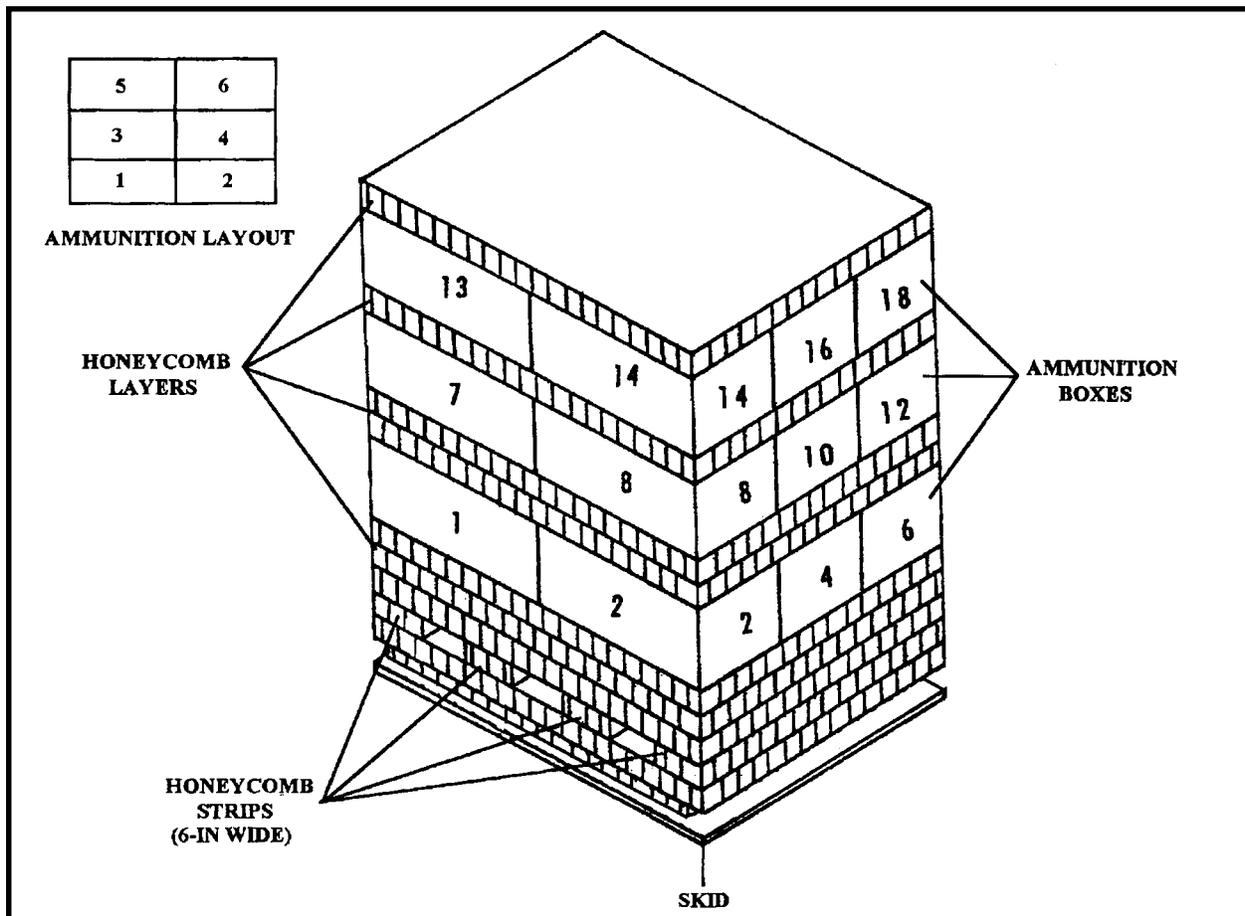


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-107*

**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)

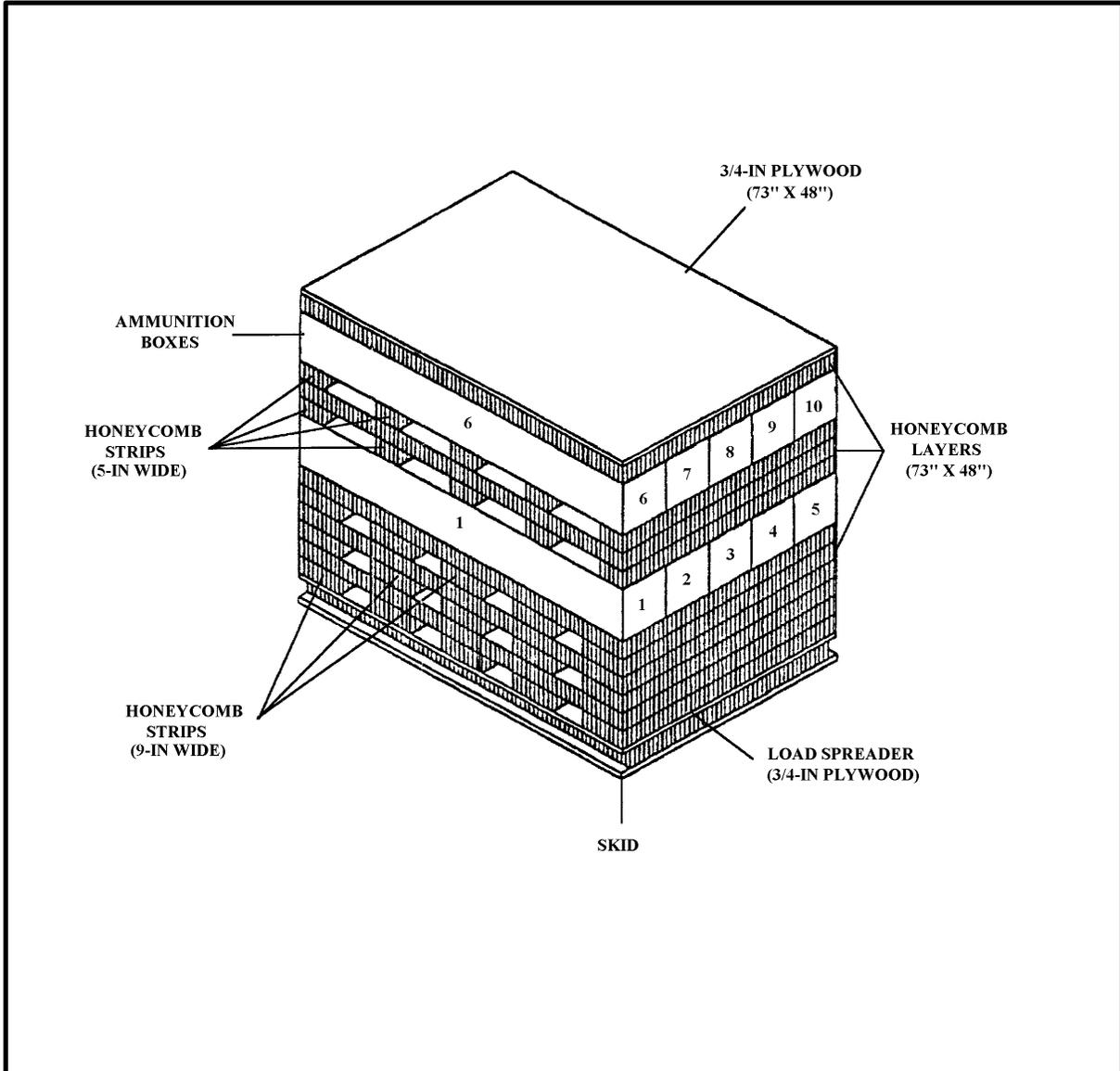
Mine, Antitank, HEAT, Heavy, M15 with fuze M603, (DODAC 1345-K180)

**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)

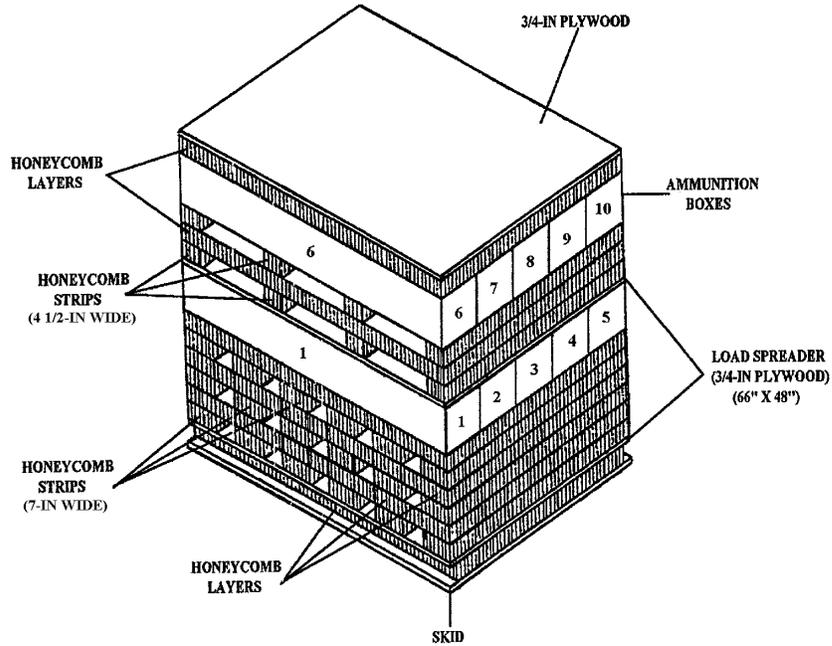


*The following ammunition item is rigged in a STRETCH A-22 CARGO BAG for high-velocity airdrop as shown in Figure 2-109. Prepare the stretch A-22 cargo bag according to FM 10-500-3/TO 13C7-1-11/FMFM7-47.*

**Rockets**

Rocket, 2.75-in, WP, M259, (DODAC 1340-H116)

*Figure 2-109. Ammunition layout in a STRETCH A-22 CARGO BAG for high-velocity airdrop*

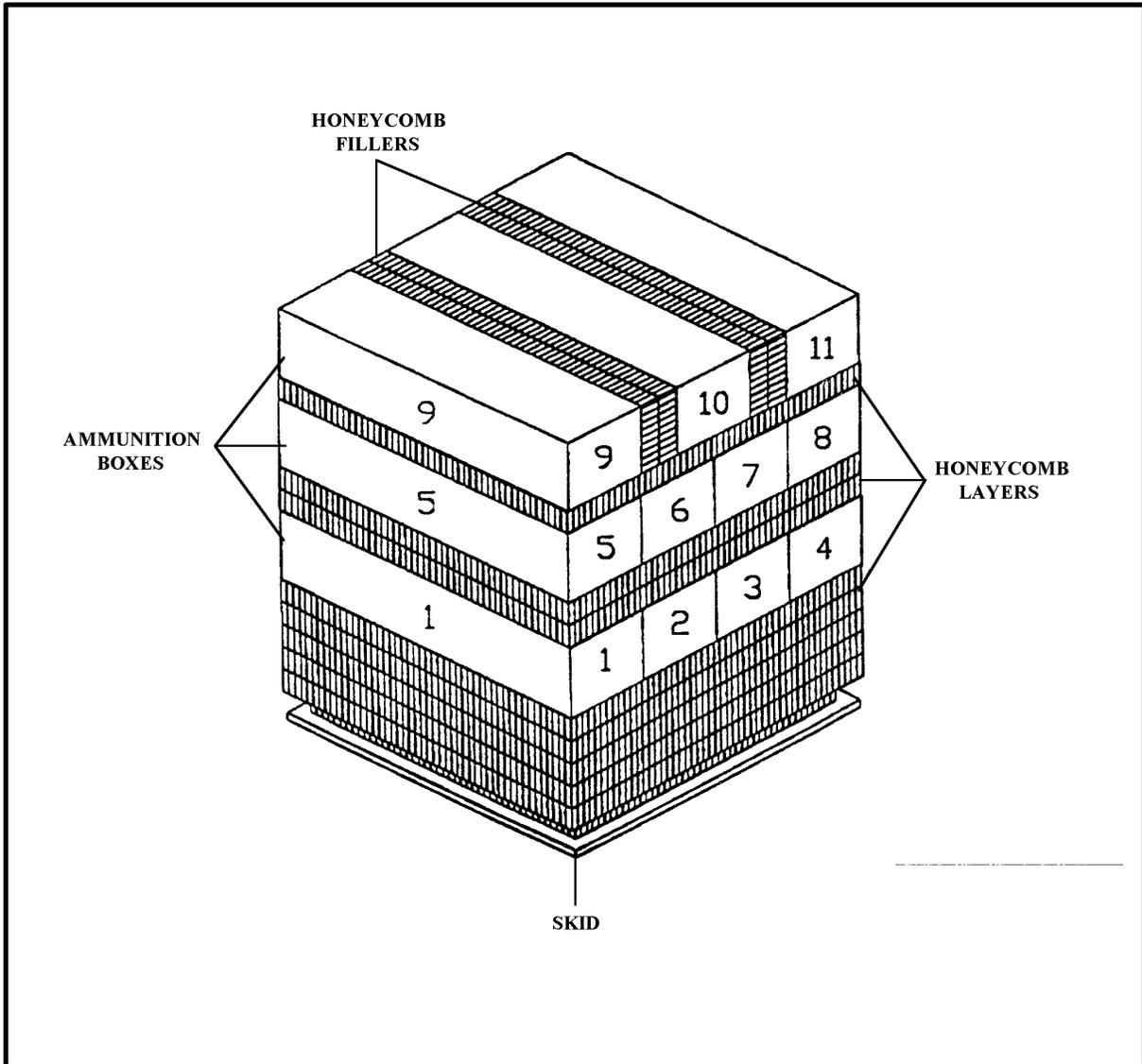


*The following ammunition item is rigged in a STRETCH A-22 CARGO BAG for high-velocity airdrop as shown in Figure 2-110. Prepare the stretch A-22 cargo bag according to FM 10-500-3/TO 13C7-1-11/FMFM7-47.*

**Rockets**

Rocket, 2.75-in, HE, w/ M151 HYDRA, (DODAC 1340-H163)

*Figure 2-110. Ammunition layout in a STRETCH 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 2-111.*

**Rockets**

Rocket, 2.75-in, FLARE, HYDRA, M257, (DODAC 1340-H181)

*Figure 2-111. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

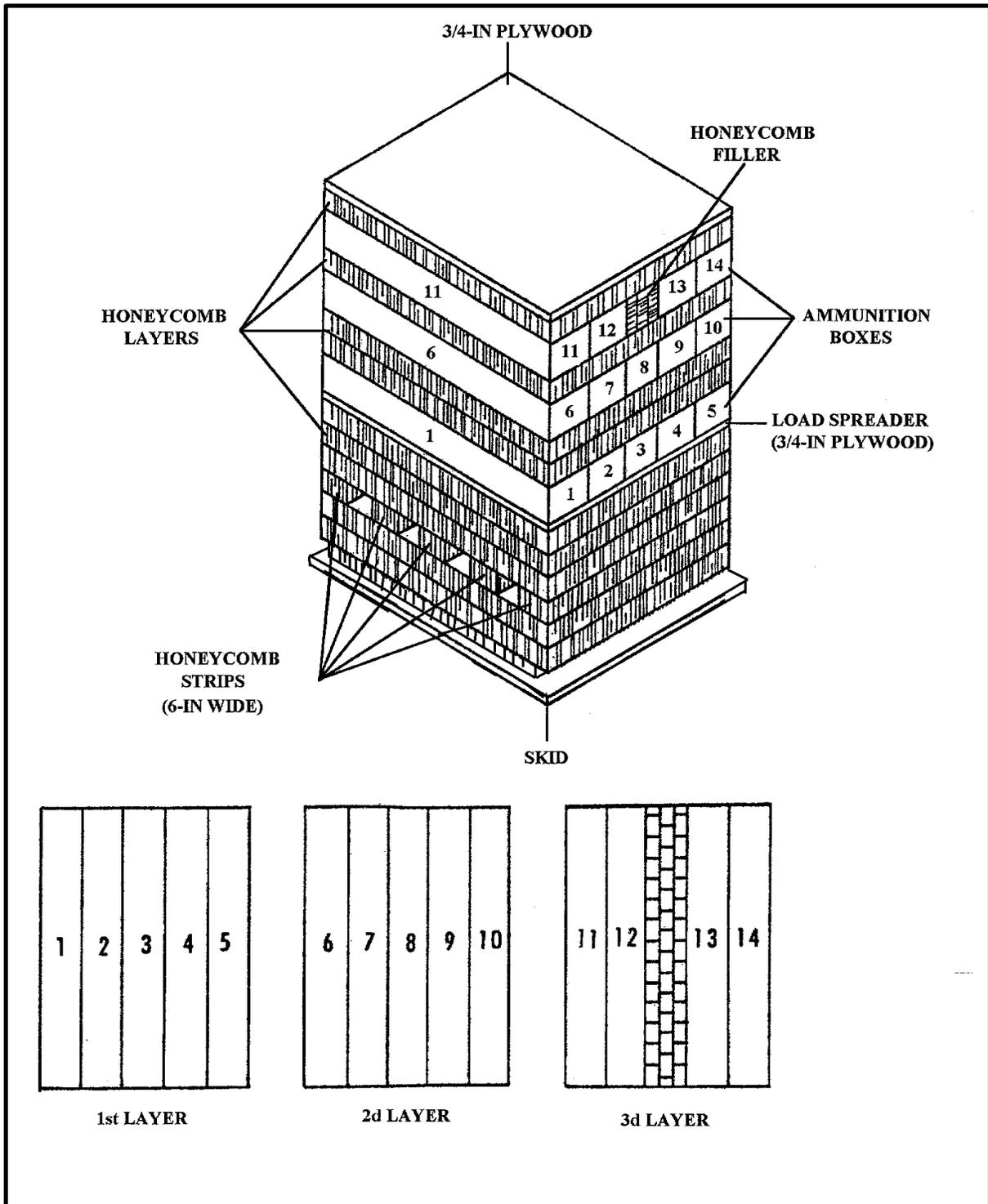


Figure 2-112. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-112.*

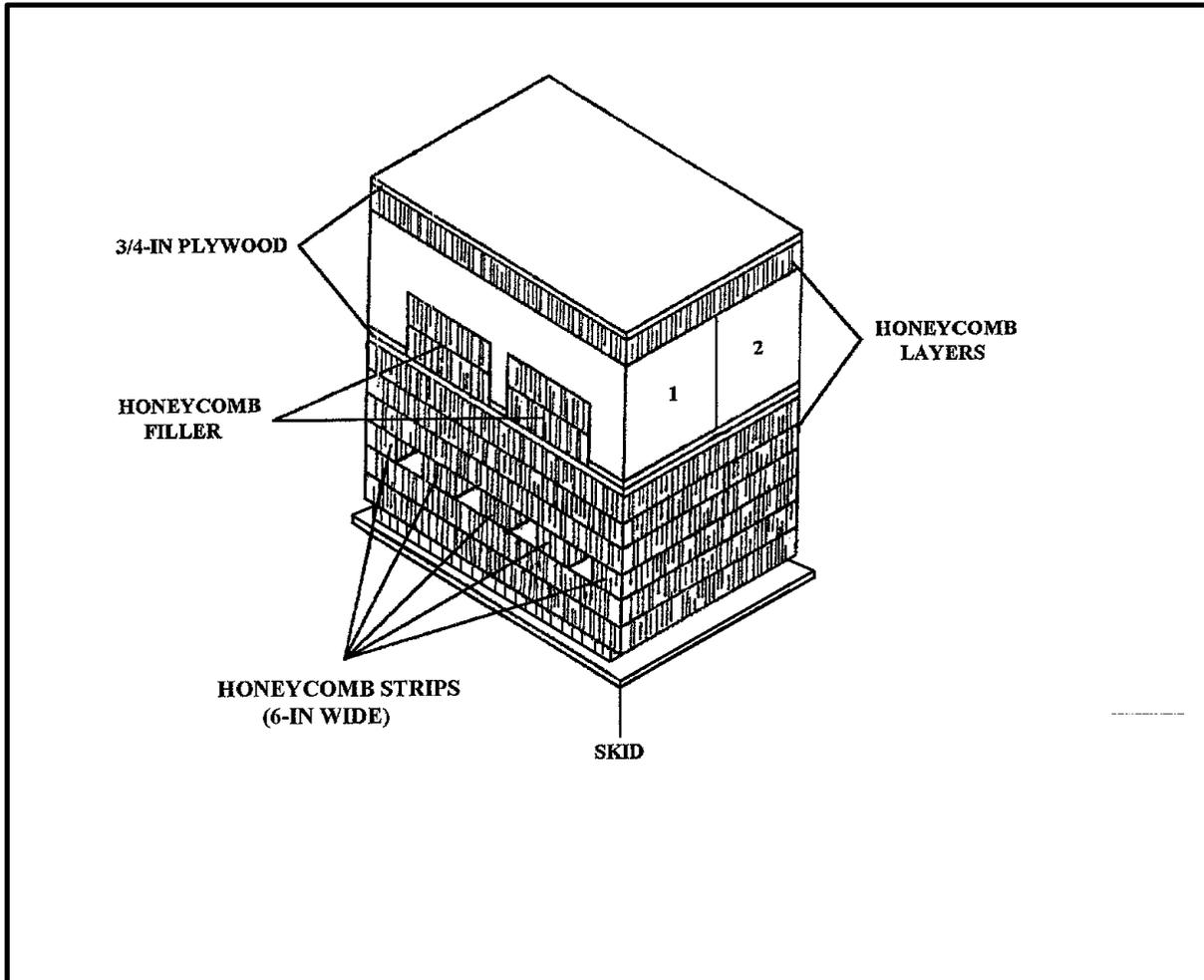
**Rockets  
(4-Pack Boxes Only)**

**CAUTION**

This load **cannot** be dropped in a double stick. It **must** be dropped in a single stick or single bundle.

- Rocket, 2.75-in, with WHD, HE, M151 with Fuze M440 and Motor MK40 Mod 3, (DODAC 1340-H161)
- Rocket, 2.75-in, with WHD, WDU-4A/A and Motor MK40 Mod 3, (DODAC 1340-H459)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M429 and Motor MK40 Mod 3, (DODAC 1340-H489)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M423 and Motor MK40 Mod 3, (DODAC 1340-H490)
- Rocket, 2.75-in, Smoke, WP, M156 with Fuze M423 and Motor MK40 Mod 3, (DODAC 1340-H519)
- Rocket, 2.75-in, WHD, HE, XM229 with Fuze M423 and Motor MK40 Mod 3, (DODAC 1340-H534)
- Rocket, 2.75-in, WHD, HEDP, XM247 with Fuze XM438 and Motor MK40 Mod 3, (DODAC 1340-H826)

*Figure 2-112. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)*

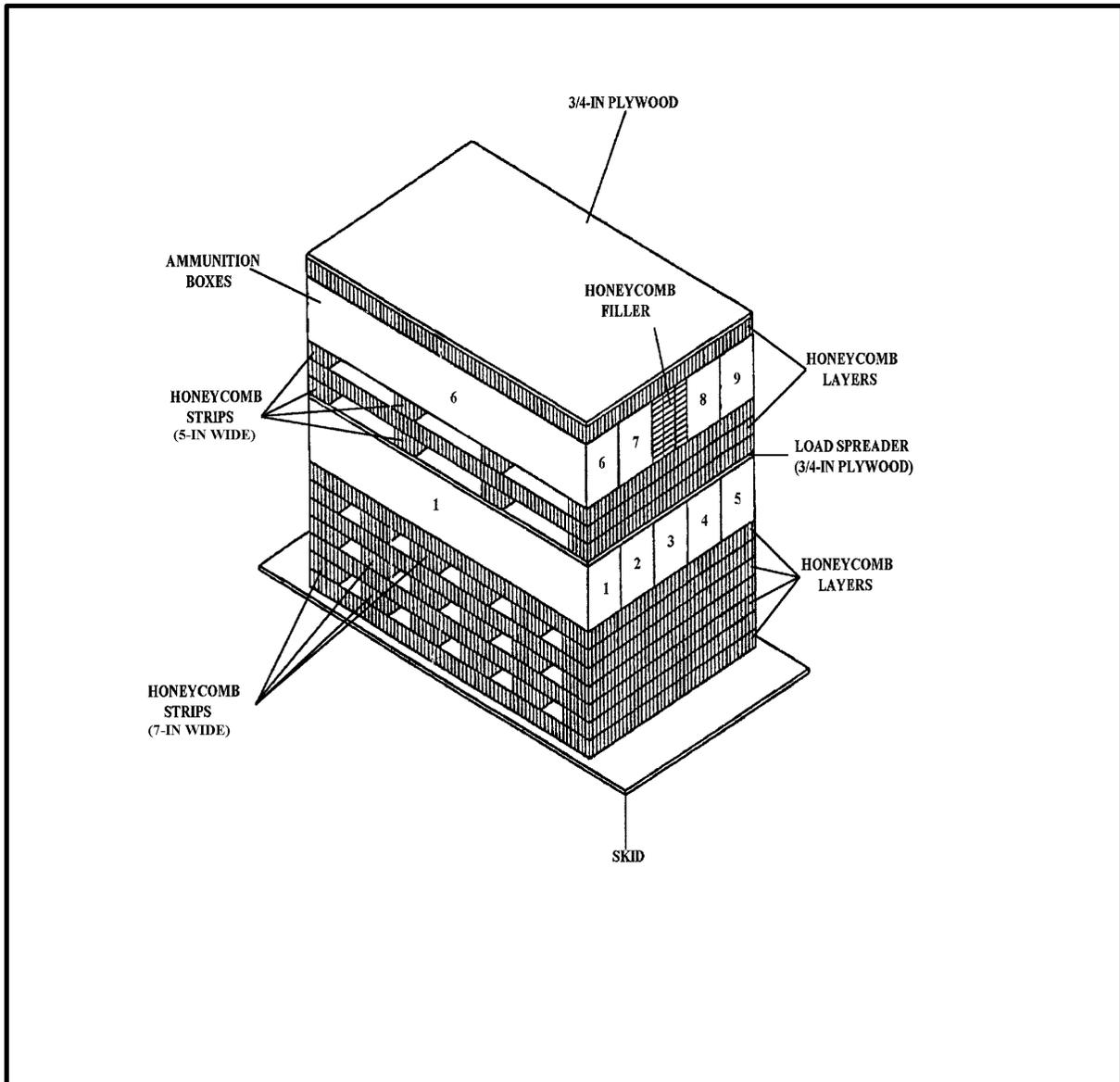


*The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-113.*

**Rockets  
(25-Pack Boxes Only)**

- Rocket, 2.75-in, with WHD, HE, M151 with Fuze M440 and Motor MK40 Mod 3, (DODAC 1340-H161)
- Rocket, 2.75-in, with WHD, WDU-4A/A and Motor MK40 Mod 3, (DODAC 1340-H459)
- Rocket, 2.75-in, WHD, HE, XM229, with Liner and Fuze M429 and Motor MK40 Mod 3, (DODAC 1340-H488)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M429 and Motor MK40 Mod 3, (DODAC 1340-H489)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M423 and Motor MK40 Mod 3, (DODAC 1340-H490)
- Rocket, 2.75-in, WHD, HE, XM229 with Fuze M423 and Motor MK40 Mod 3, (DODAC 1340-H534)

*Figure 2-113. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*



*The following ammunition item is rigged in a DOUBLE A-22 CARGO BAG for high-velocity airdrop as shown in Figure 2-114. Prepare the double A-22 cargo bag according to FM 10-500-3/TO 13C7-1-11/FMFM7-47.*

**Rockets**

Rocket, 2.75-in, MPSM, w/ MK66, MOD 1, M261, (DODAC 1340-H464)

*Figure 2-114. Ammunition layout in a DOUBLE A-22 CARGO BAG for high-velocity airdrop*

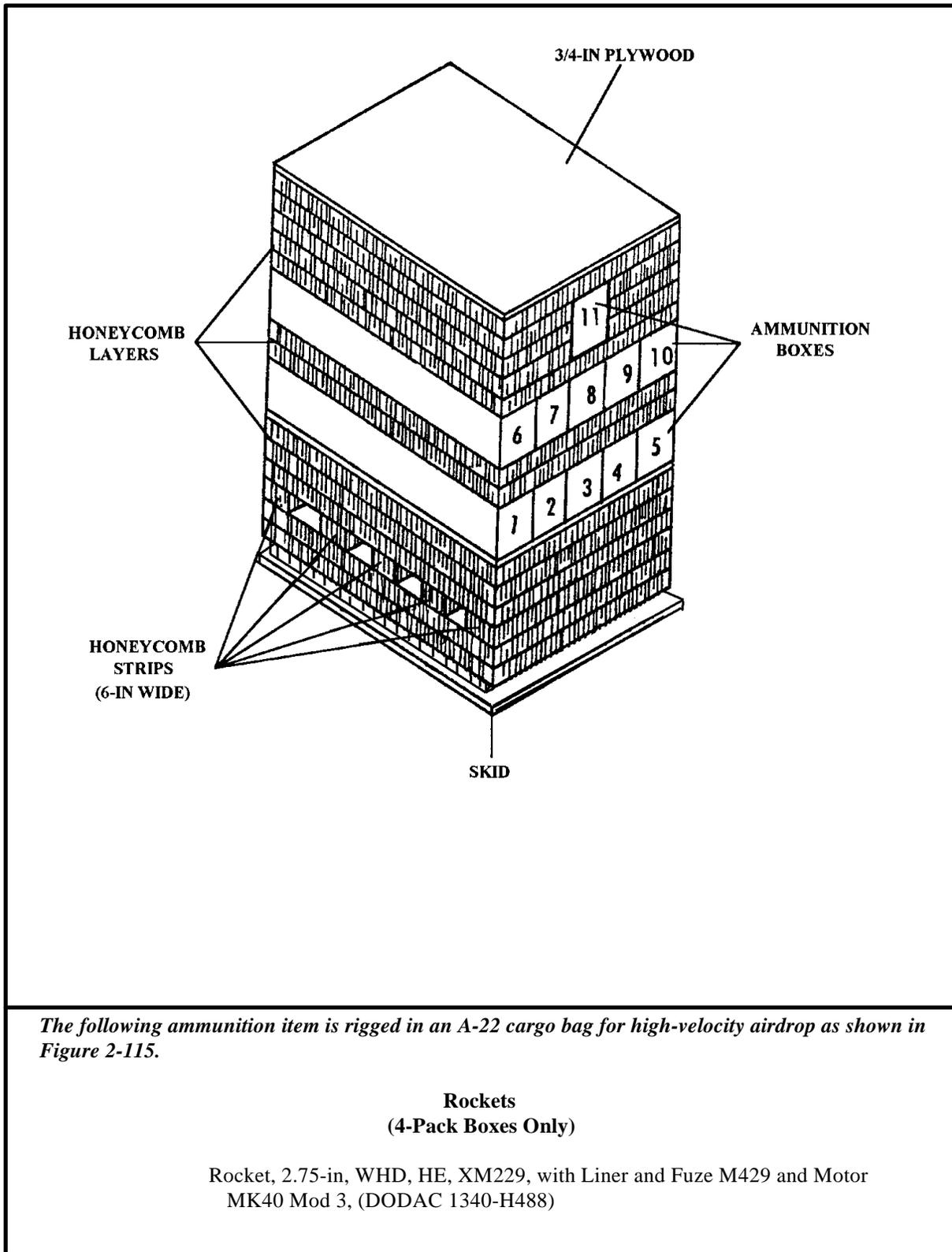
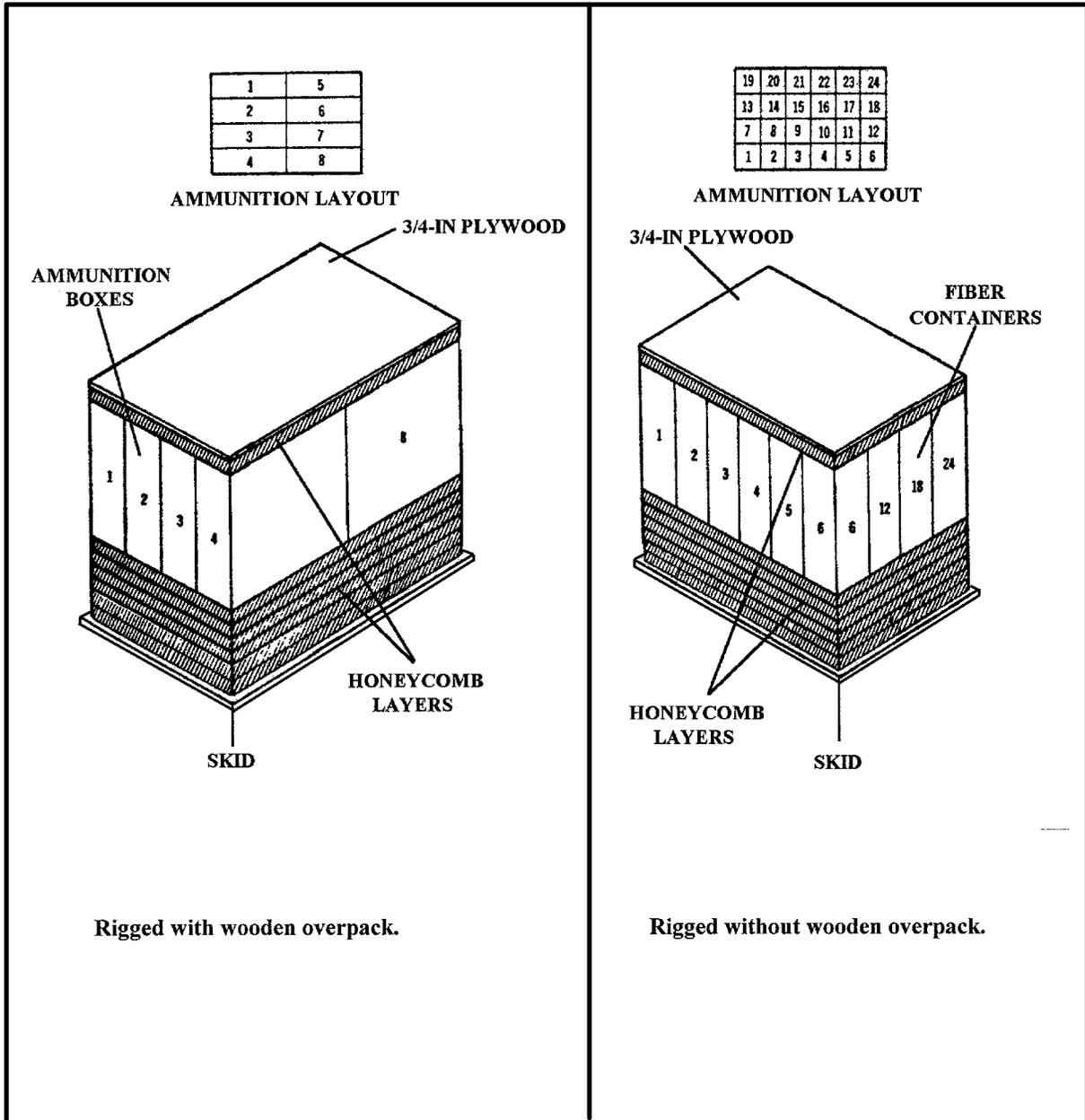


Figure 2-115. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-116.

**66-Millimeter Rocket**

**Note:** This item must be rigged in the base-down position.

Rocket, 66-mm, HEAT, M72A2 with Launcher, (DODAC 1340-H557)

Figure 2-116. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

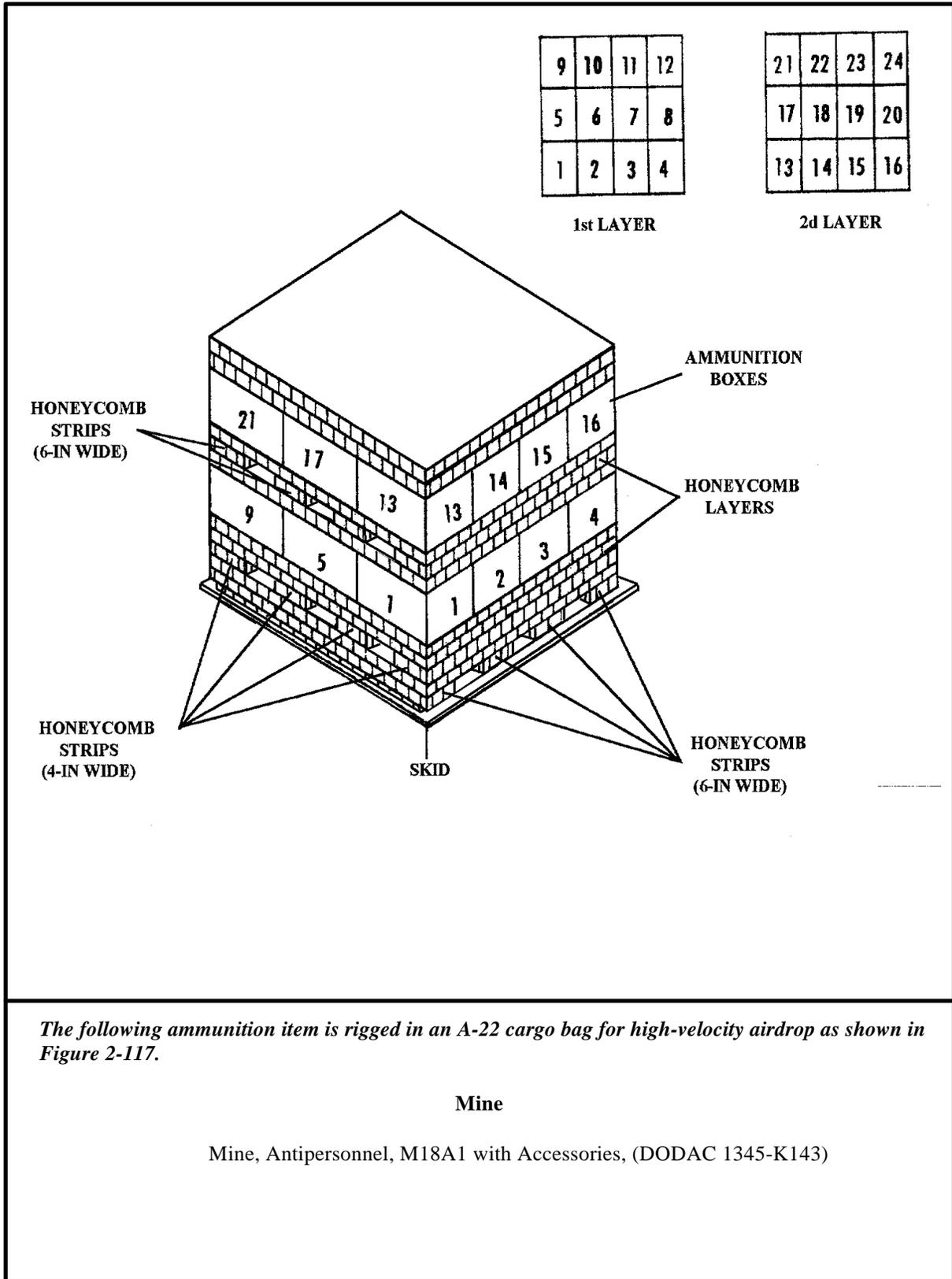
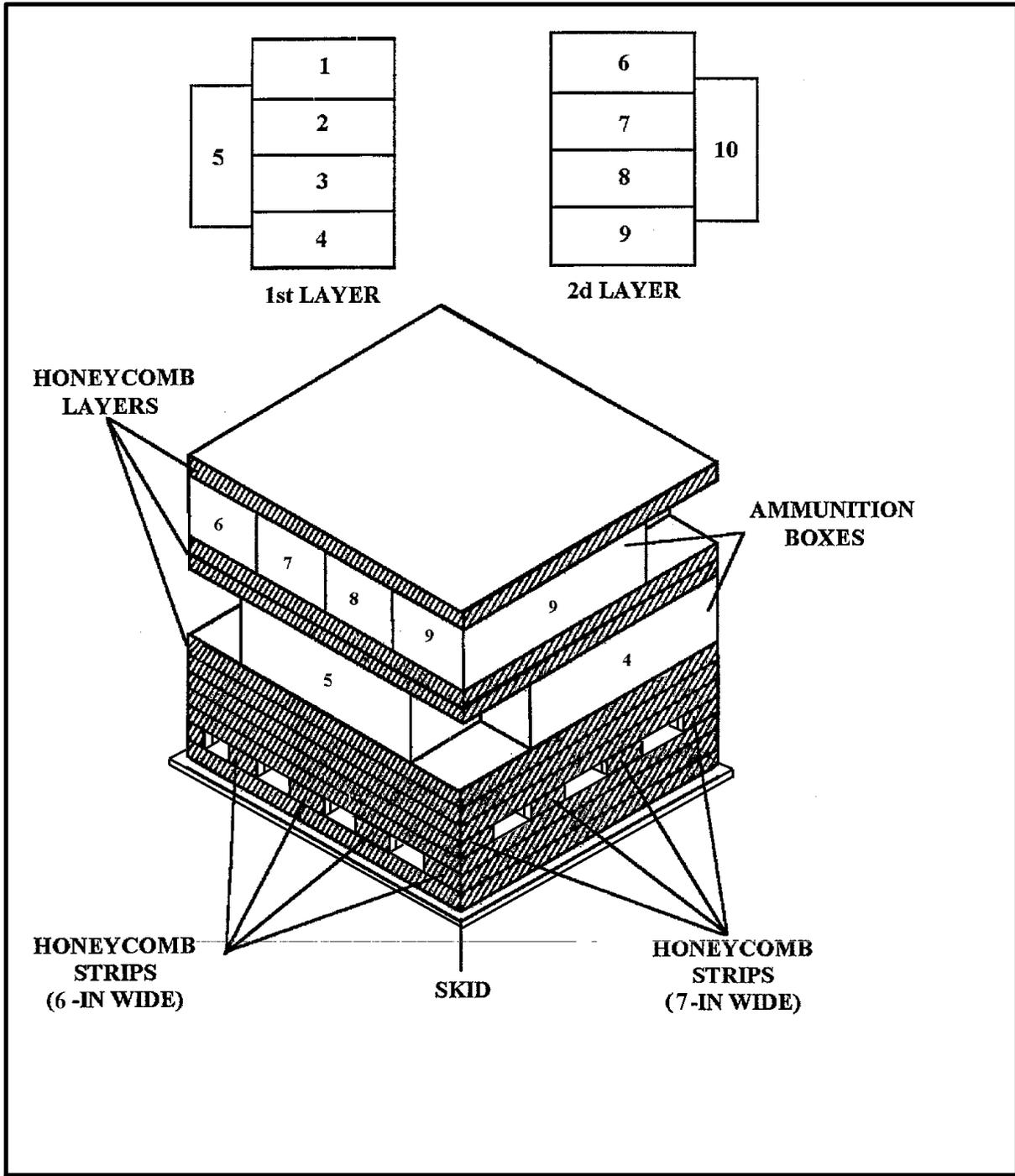


Figure 2-117. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



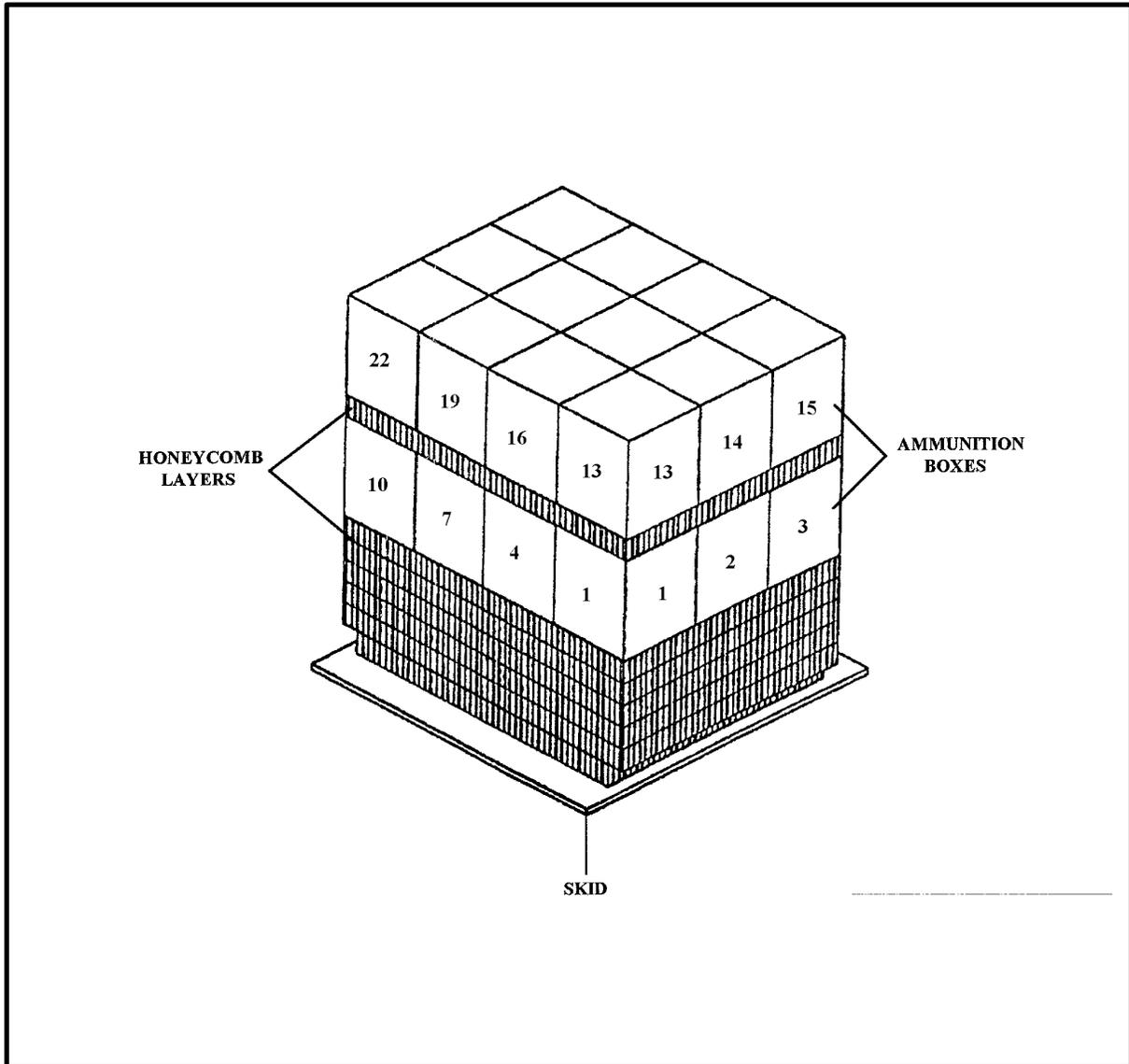
The following ammunition is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-118.

**Mine**

Mine, AT, HE, M121 Heavy with Fuze Combination M607, (DODAC 1345-K181)

Figure 2-118. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



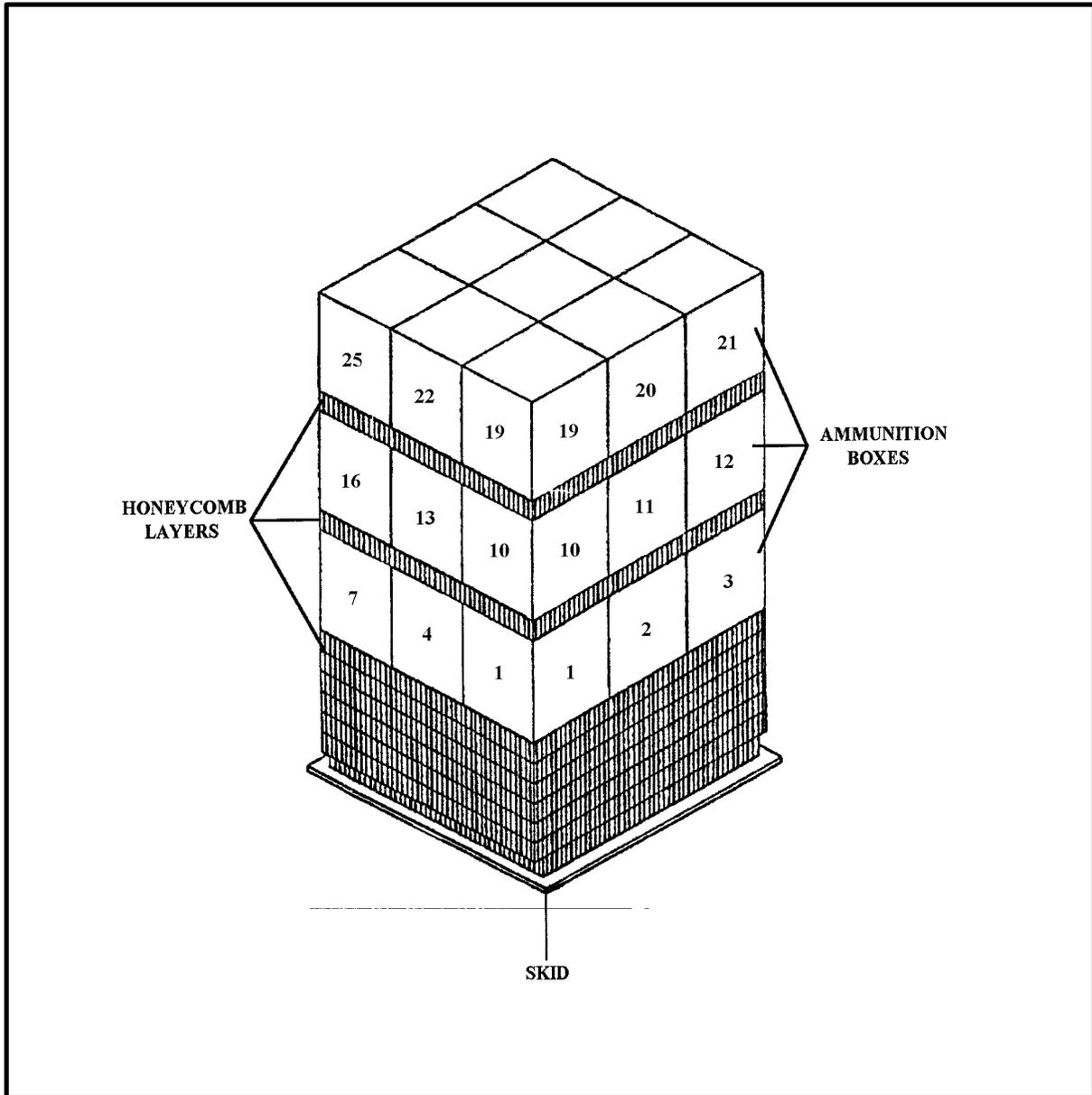


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-120.*

**Incendiary Items**

Smoke Pot, Hexachloroethane, M5, (DODAC 1365-K866)

*Figure 2-120. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

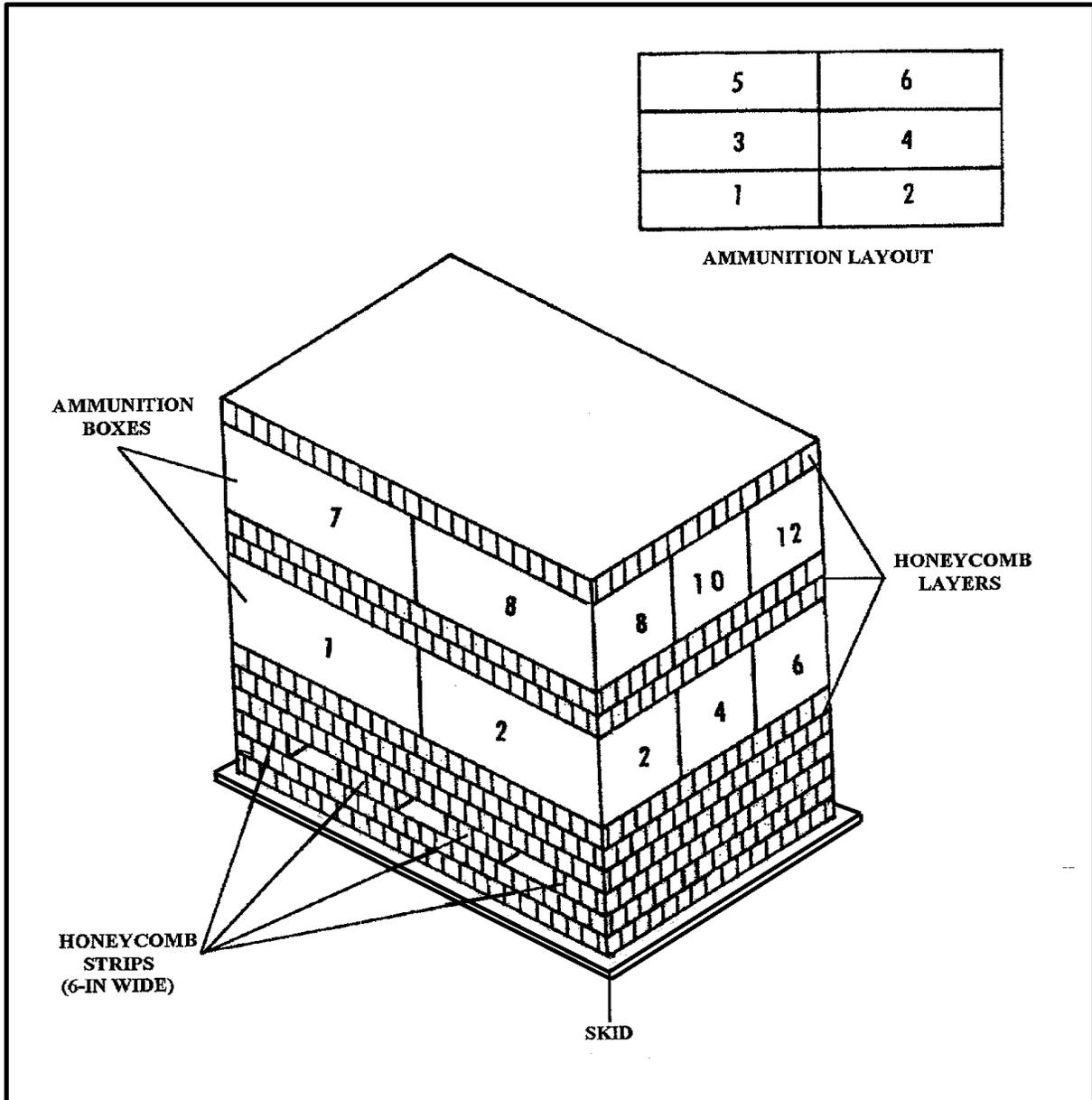


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-121.*

**Incendiary Items**

Smoke Pot, Floating, HC, M4A2, (DODAC 1365-K867)

*Figure 2-121. 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 2-122.

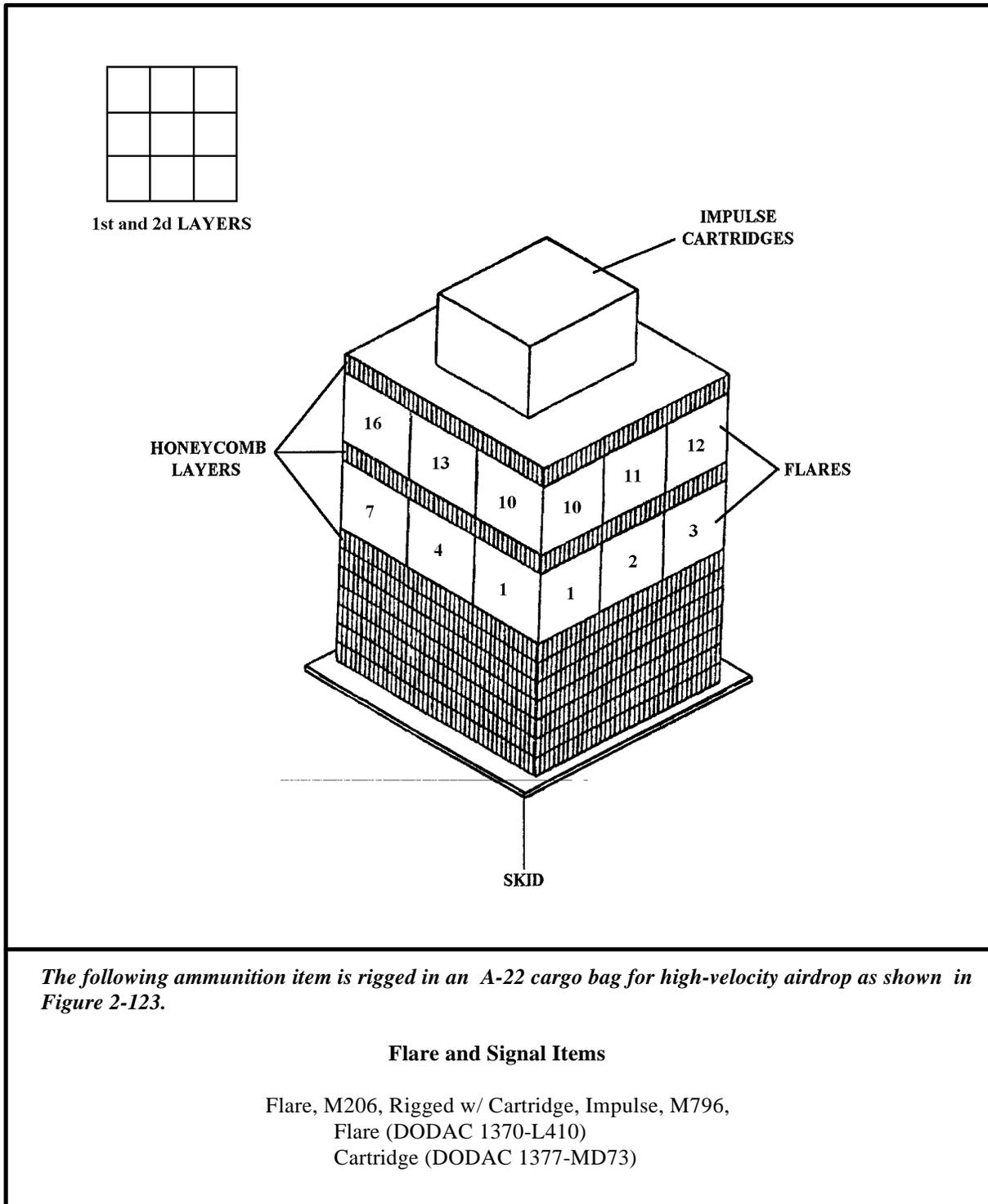
**Incendiary Item**

Thickener, Incendiary Oil, M4, (DODAC 1365-K917)

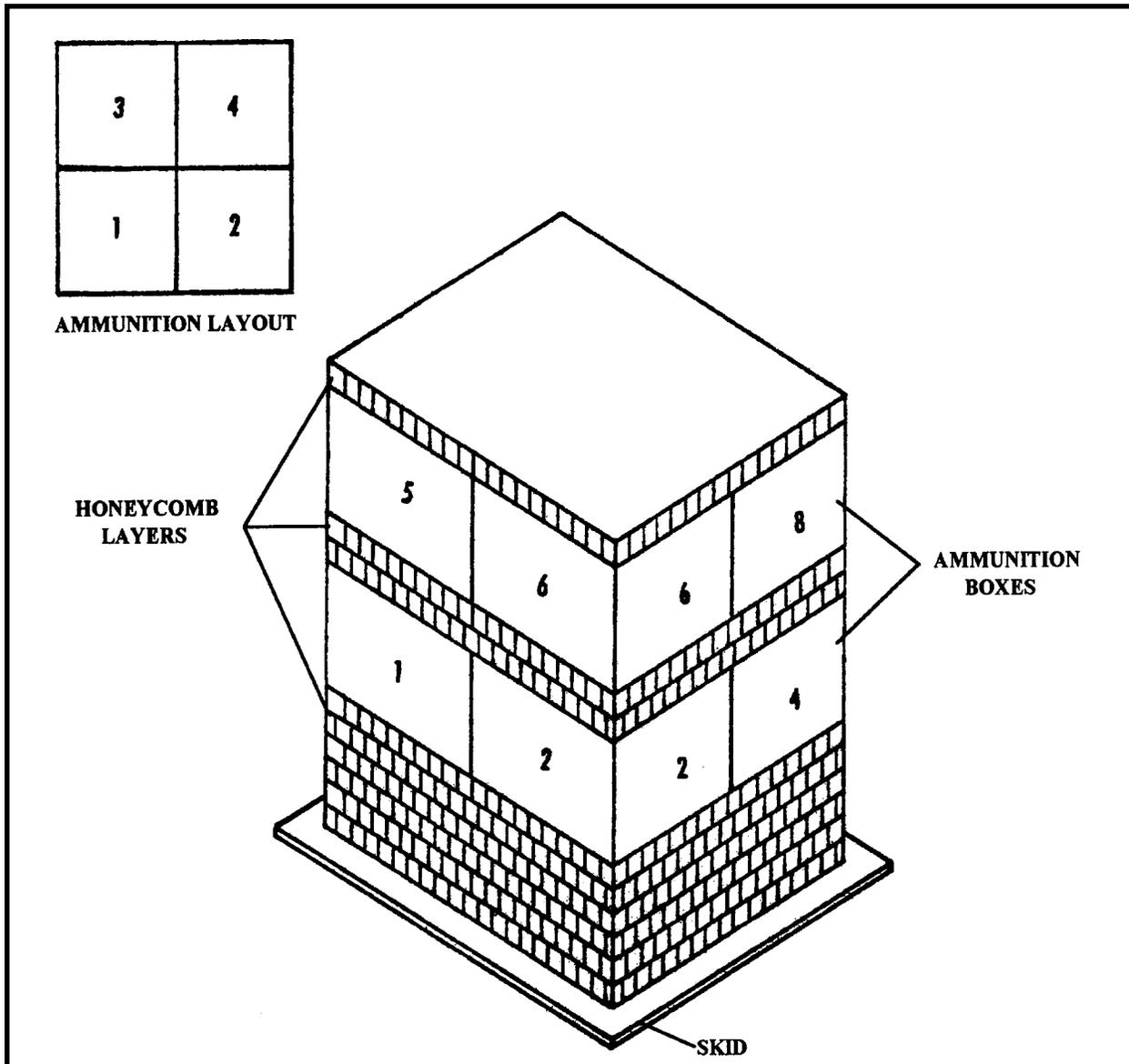
**Demolition Item**

Charge, Demolition, Block, 1/4-lb TNT, (DODAC 1375-M030)

Figure 2-122. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



*Figure 2-123. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

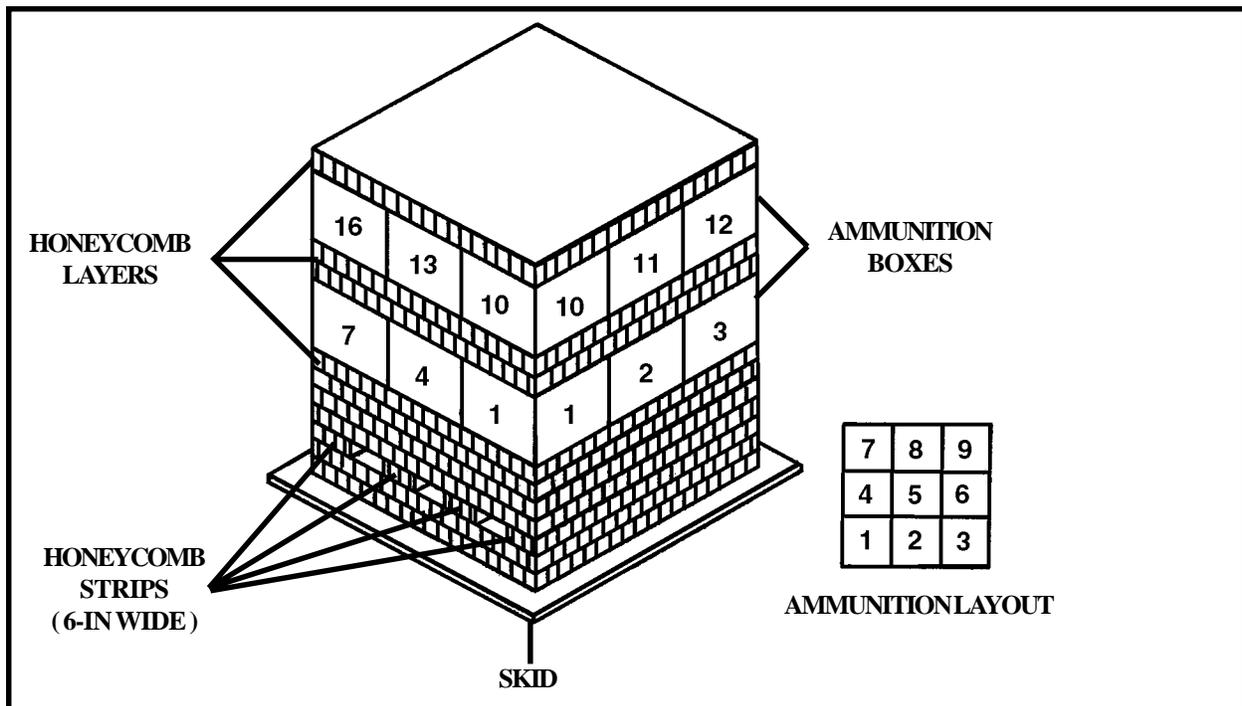


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-124.*

**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)

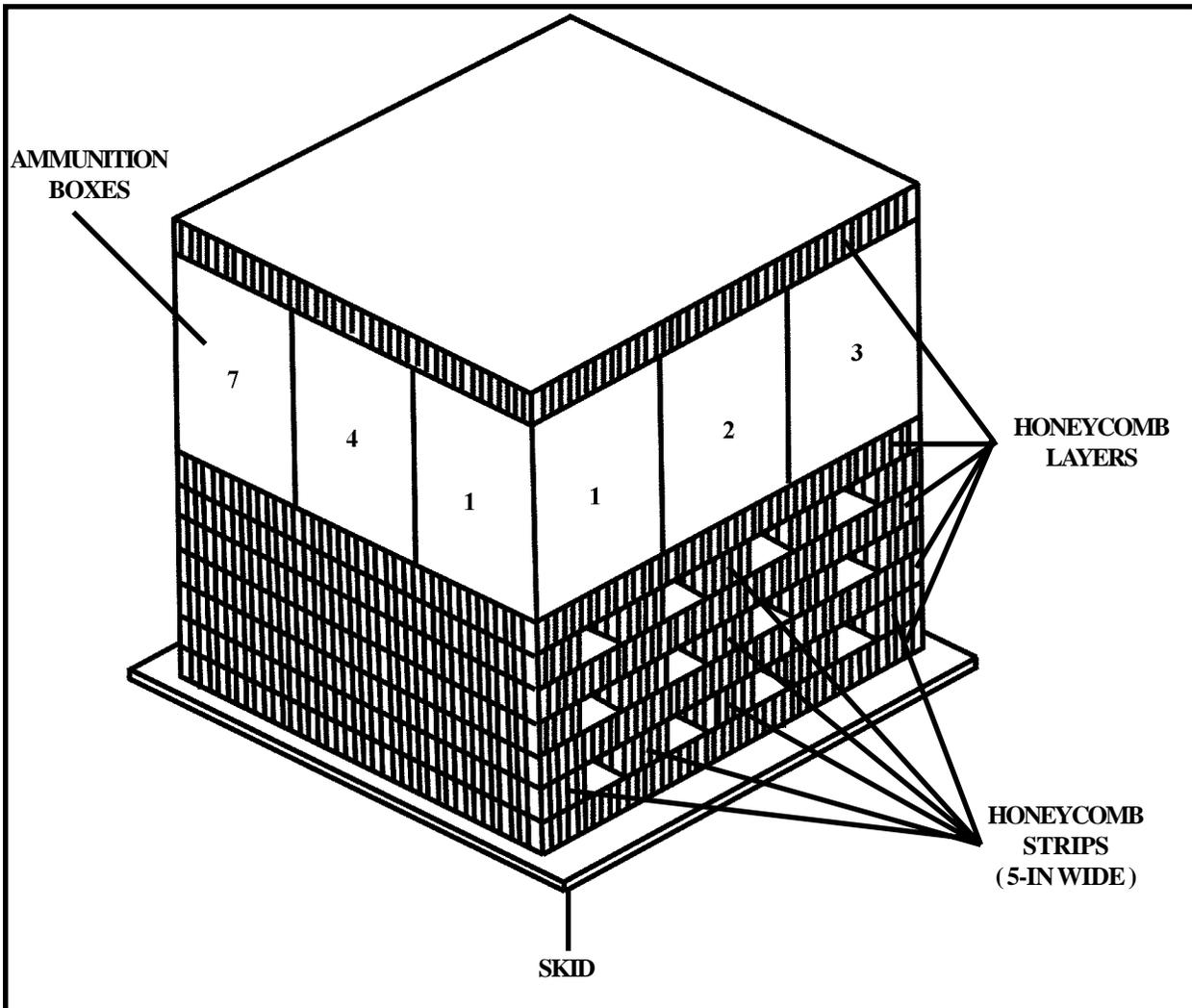
**Signal Items**

- 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*

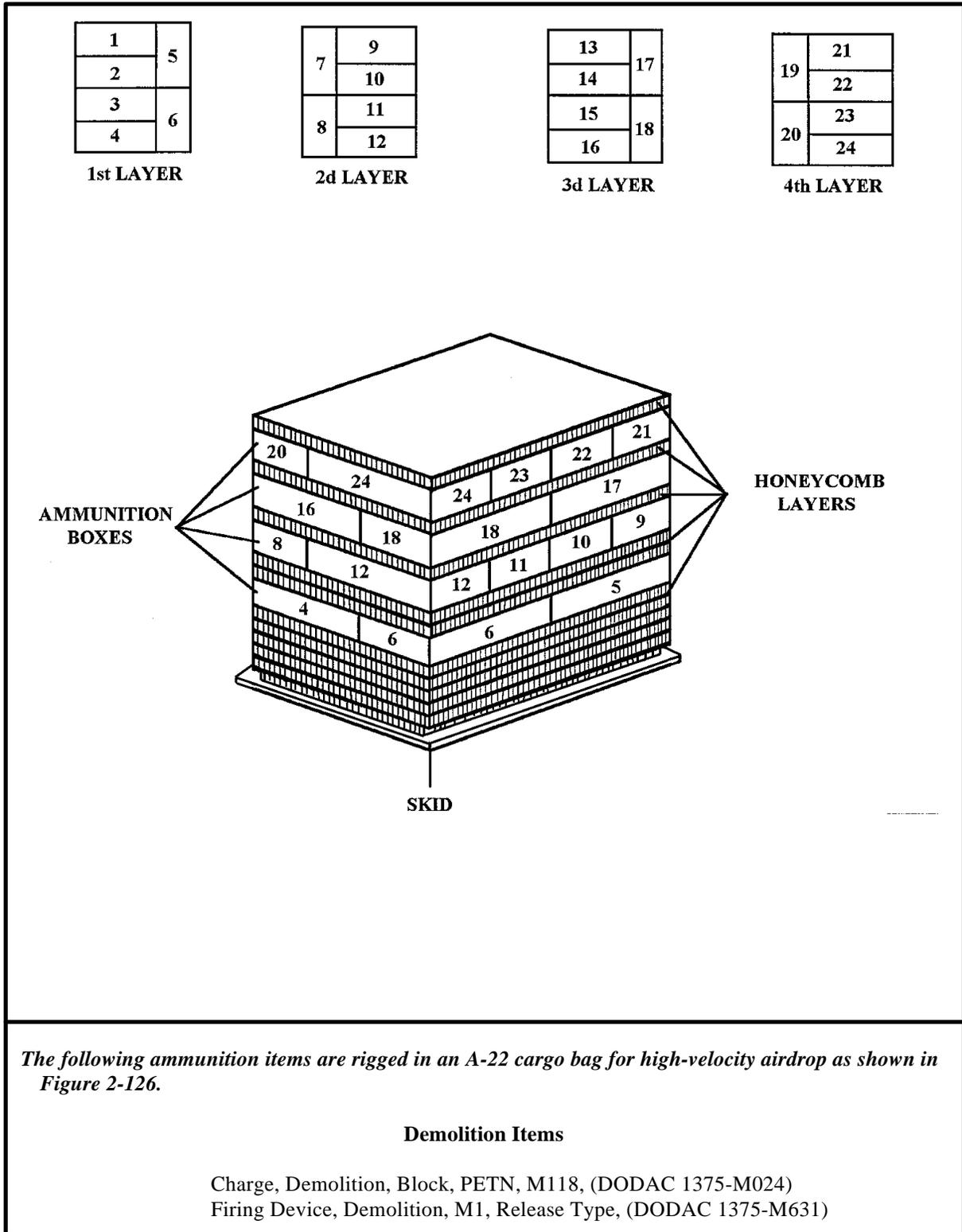


Figure 2-126. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

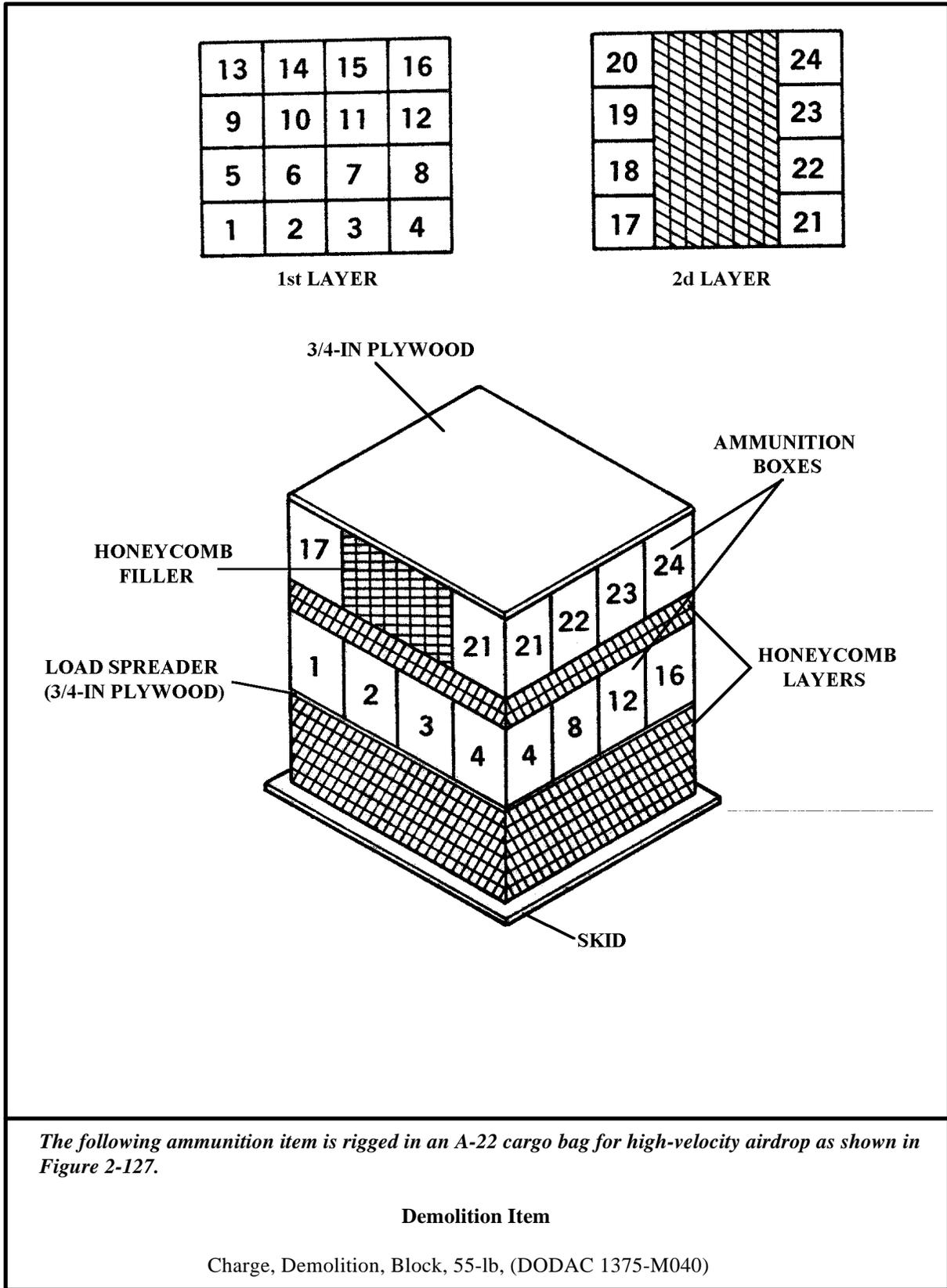
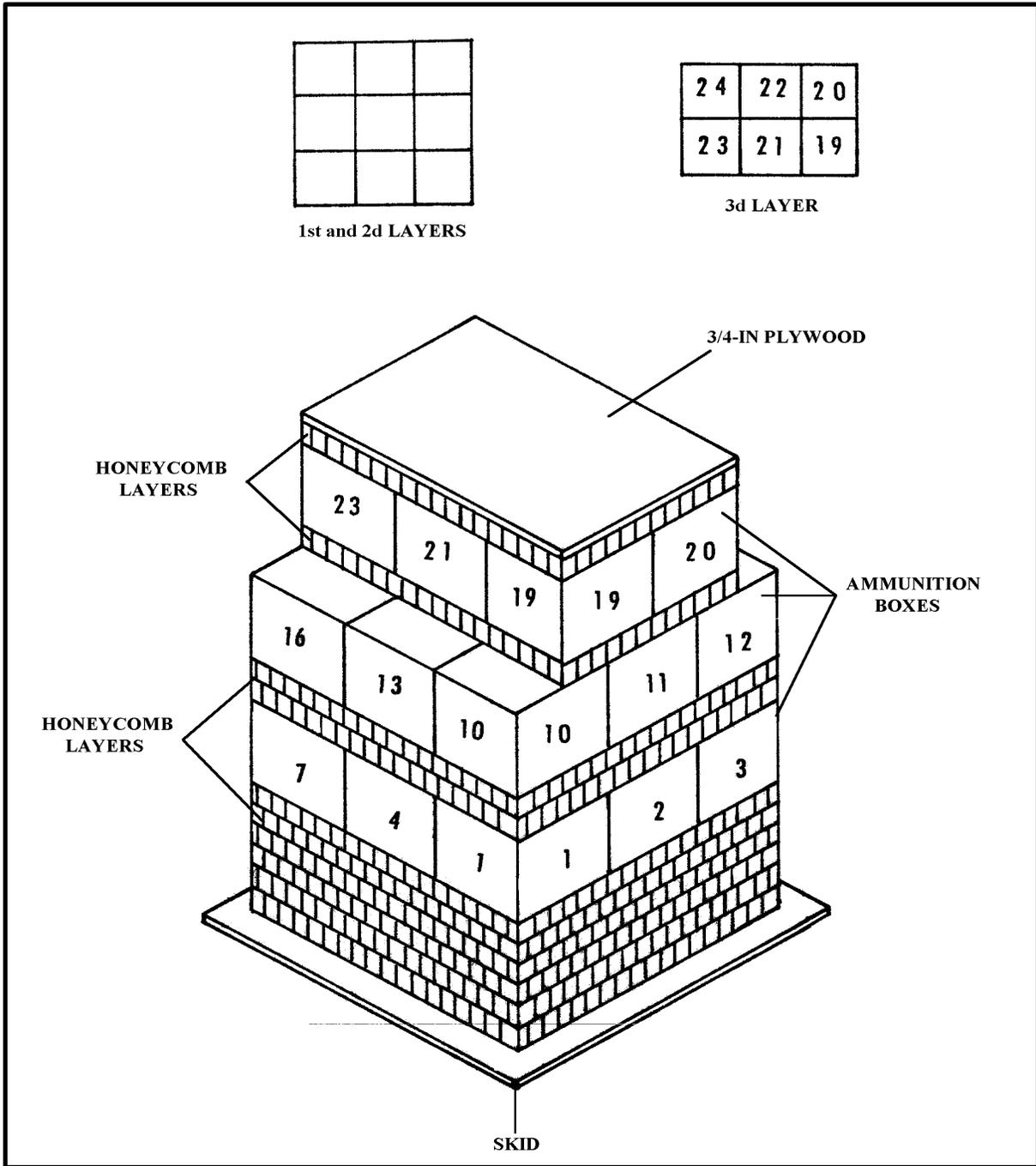


Figure 2-127. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

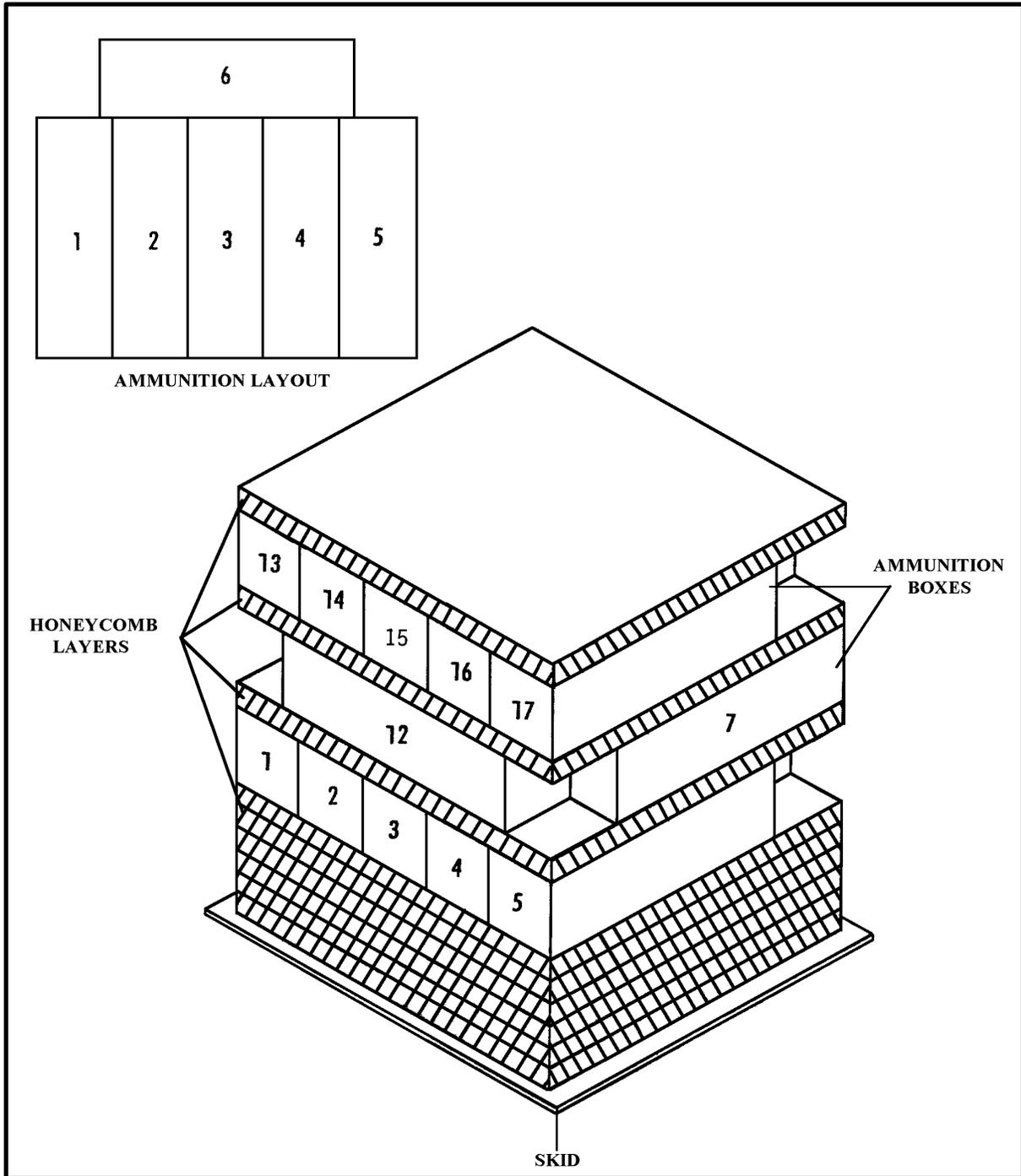


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-128.

**Demolition Item**

Charge, Demolition, Block, M541, (DODAC 1375-M038)

Figure 2-128. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

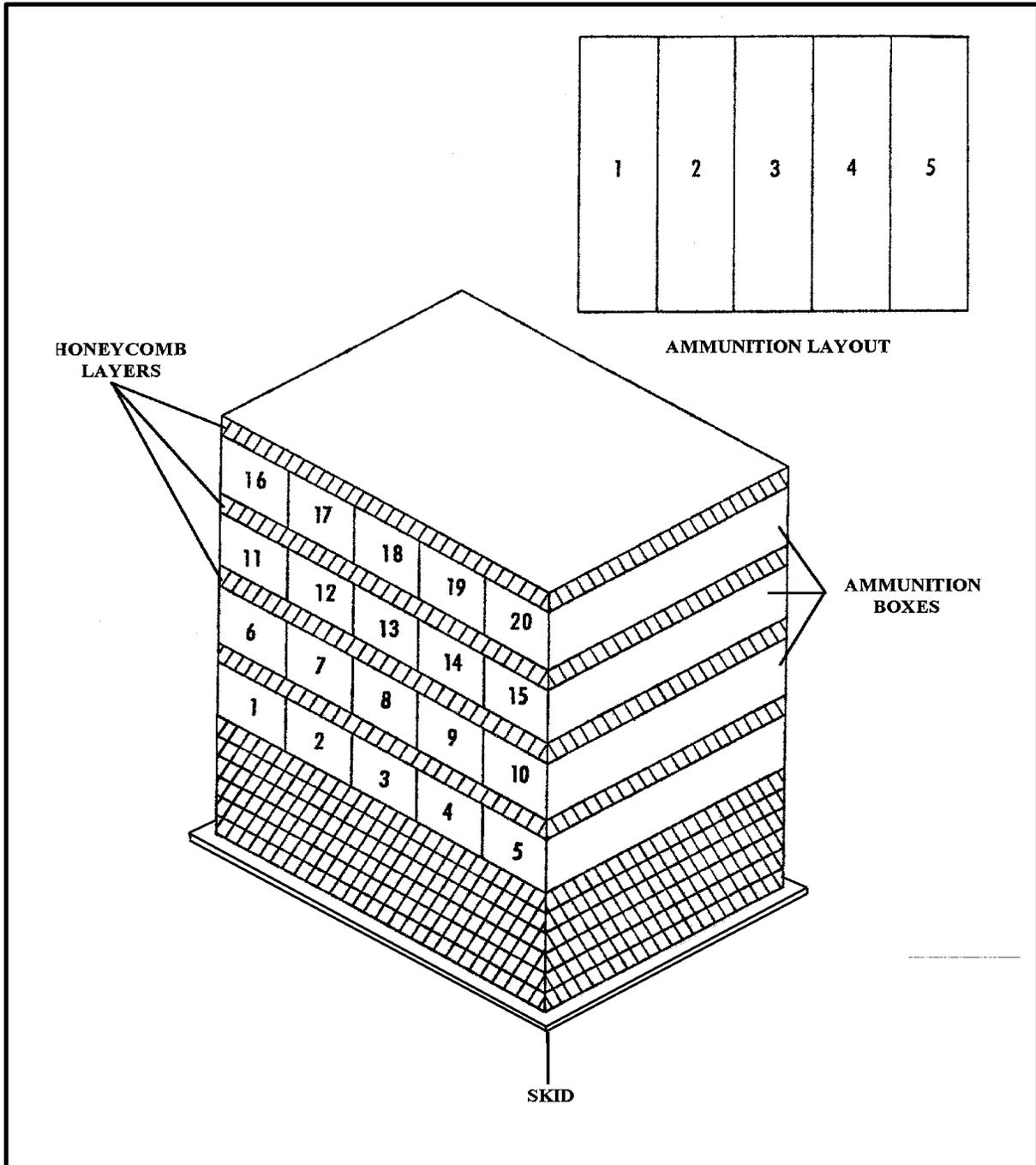


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-129.*

**Demolition Item**

Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODAC 1375-M420)

*Figure 2-129. Ammunition layout in an A-22 cargo bag for high-velocity airdrop*

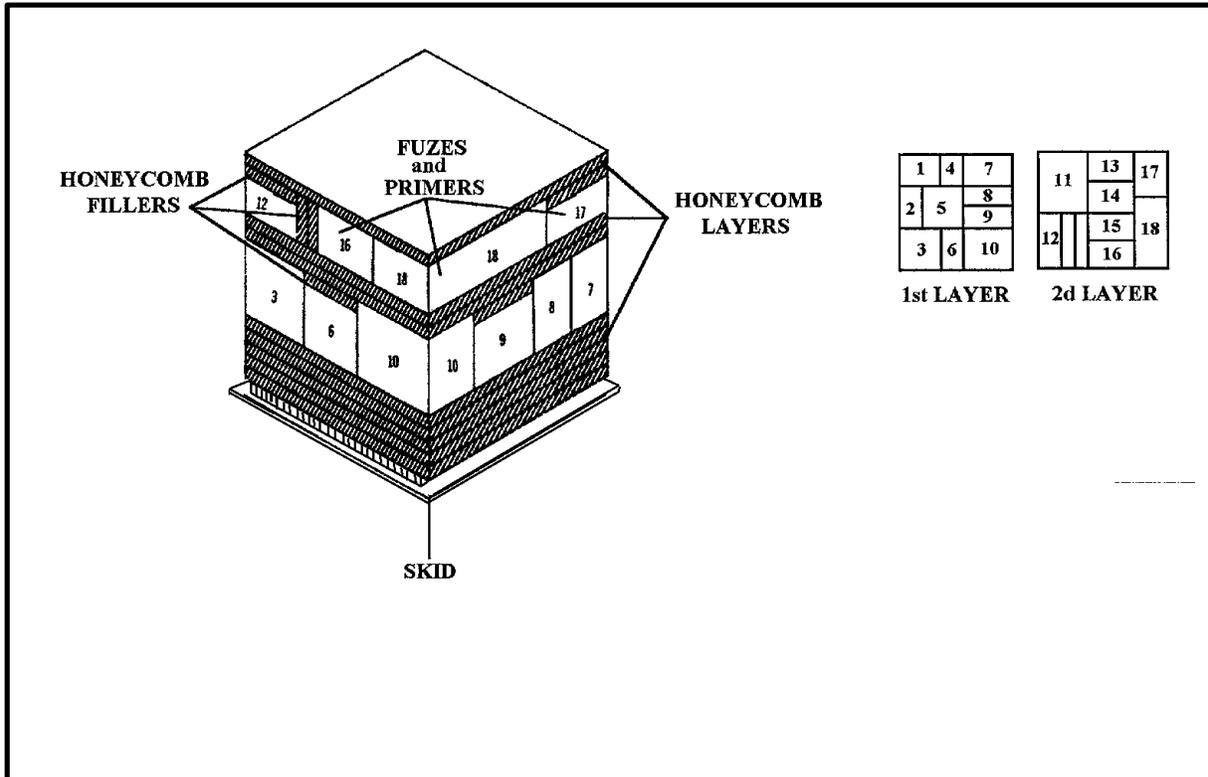


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-130.*

**Demolition Item**

Firing Device, Demolition, M1A1, Pressure Type, (DODAC 1375-M626)

*Figure 2-130. 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 2-131.

**Note:**

Dropping these items as a single item load may not be practical; however, they can be contained in an A-22 cargo bag with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-22 cargo bag are determined by the individual ammunition container dimensions and weight.

**Incendiary Item**

Starter, Fire, NP3, M2, (DODAC 1370-L621)

**Fuzes and Primers**

**CAUTION**

When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes must not be used.

- Fuze, MT, 565, (DODAC 1390-N248)
- Fuze, MTSQ, M500 or M500A1, (DODAC 1390-N275)
- Fuze, MTSQ, M501 or M501A1, (DODAC 1390-N276)
- Fuze, MT, M564, (DODAC 1390-N278)
- Fuze, MTSQ, M520, (DODAC 1390-N280)
- Fuze, MTSQ, M577, (DODAC 1390-N285)

Figure 2-131. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

**Fuzes and Primers (continued)**

Fuze, MTSQ, M582A1, (DODAC 1390-N286)  
Fuze, Electronic Time, M762, (DODAC 1390-N289)  
Fuze, Electronic Time, M767, (DODAC 1390-N290)  
Fuze, PD, M572, (DODAC 1390-N311)  
Fuze, PD, M48A3, (DODAC 1390-N318)  
Fuze, PD, M535, (DODAC 1390-N323)  
Fuze, PD, M557, (DODAC 1390-N335)  
Fuze, PD, M739, (DODAC 1390-N340)  
Fuze, Proximity, M532, (DODAC 1390-N402)  
Fuze, Proximity, M514, M514A1, or M514B1, (DODAC 1390-N411)  
Fuze, Proximity, M513A1 or M513B1, (DODAC 1390-N412)  
Fuze, Proximity, M517, (DODAC 1390-N417)  
Fuze, Proximity, M728, (DODAC 1390-N463)  
Fuze, Proximity, M514A1, (DODAC 1390-N477)  
Primer, Percussion, M82, (DODAC 1390-N523)  
Primer, Percussion, MK2A4, (DODAC 1390-N525)

*Figure 2-131. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)*

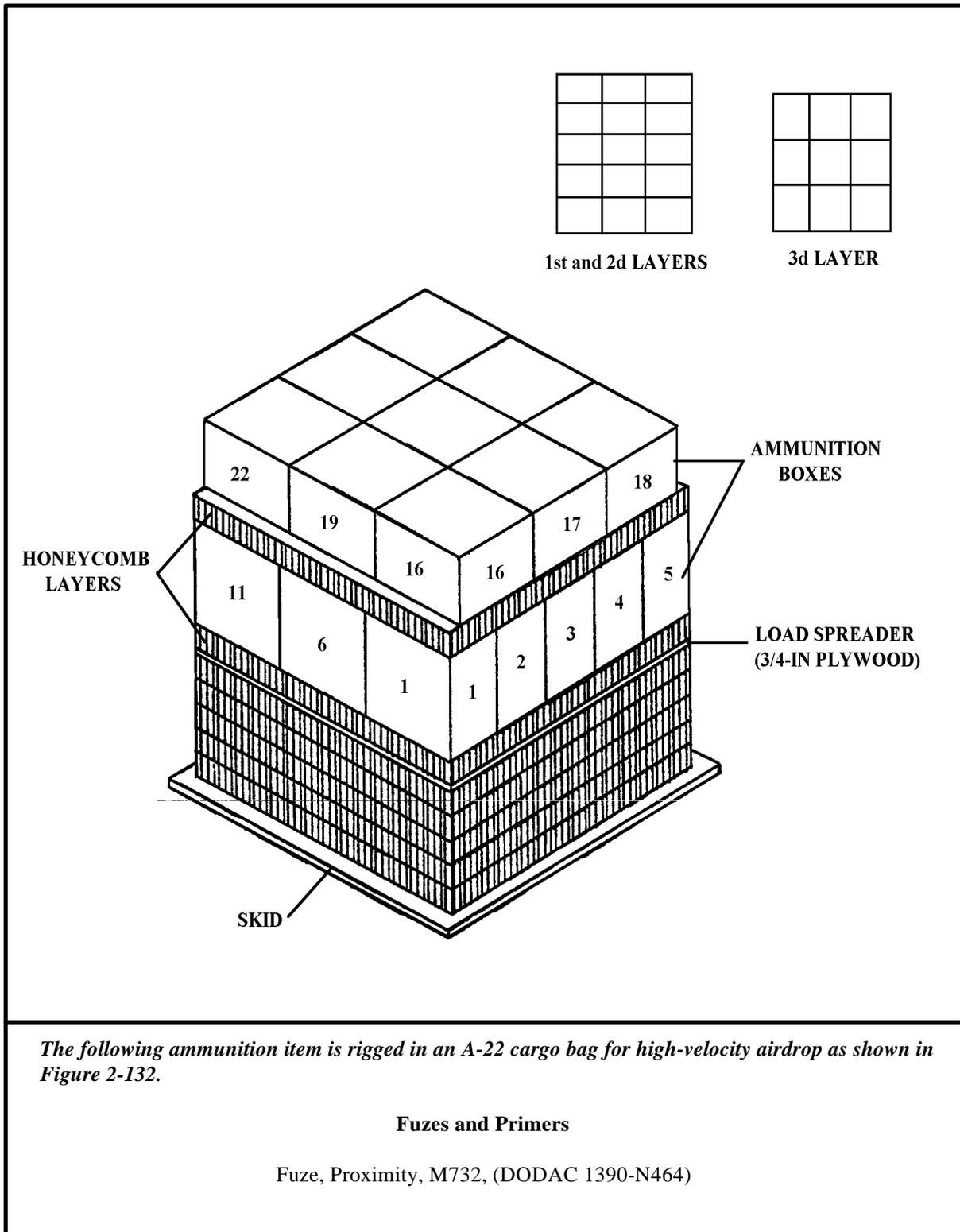
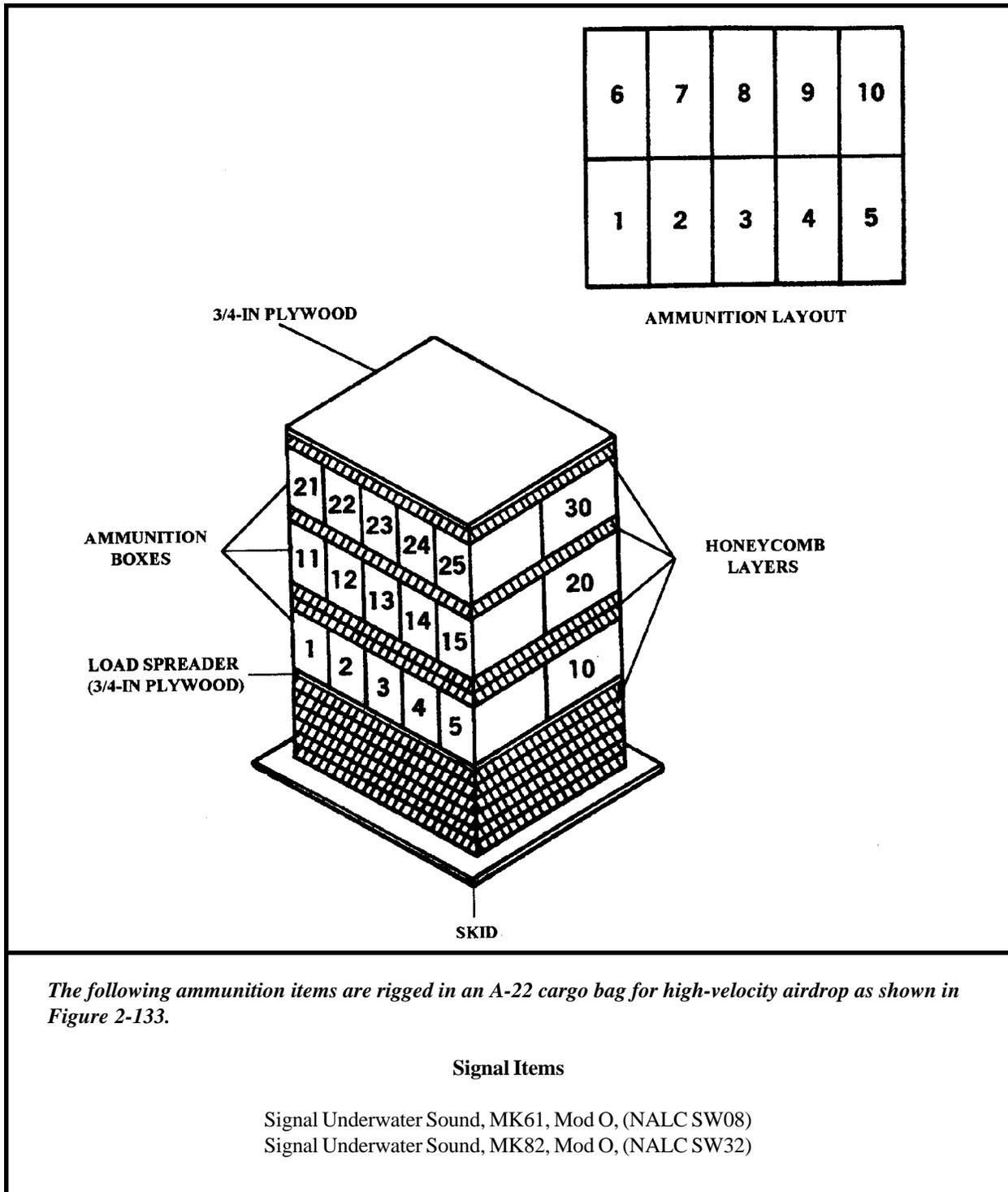


Figure 2-132. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

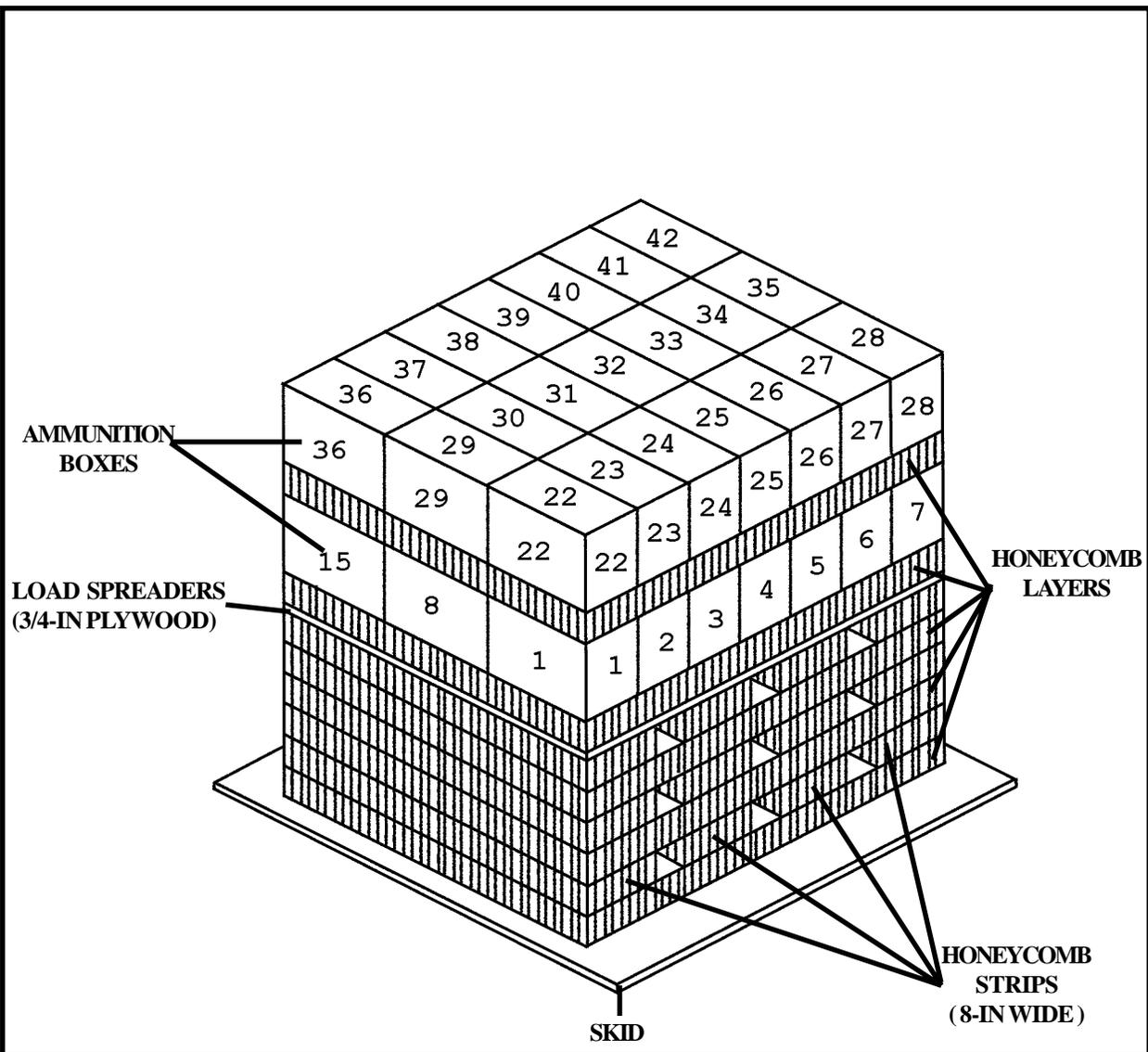


The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-133.

**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

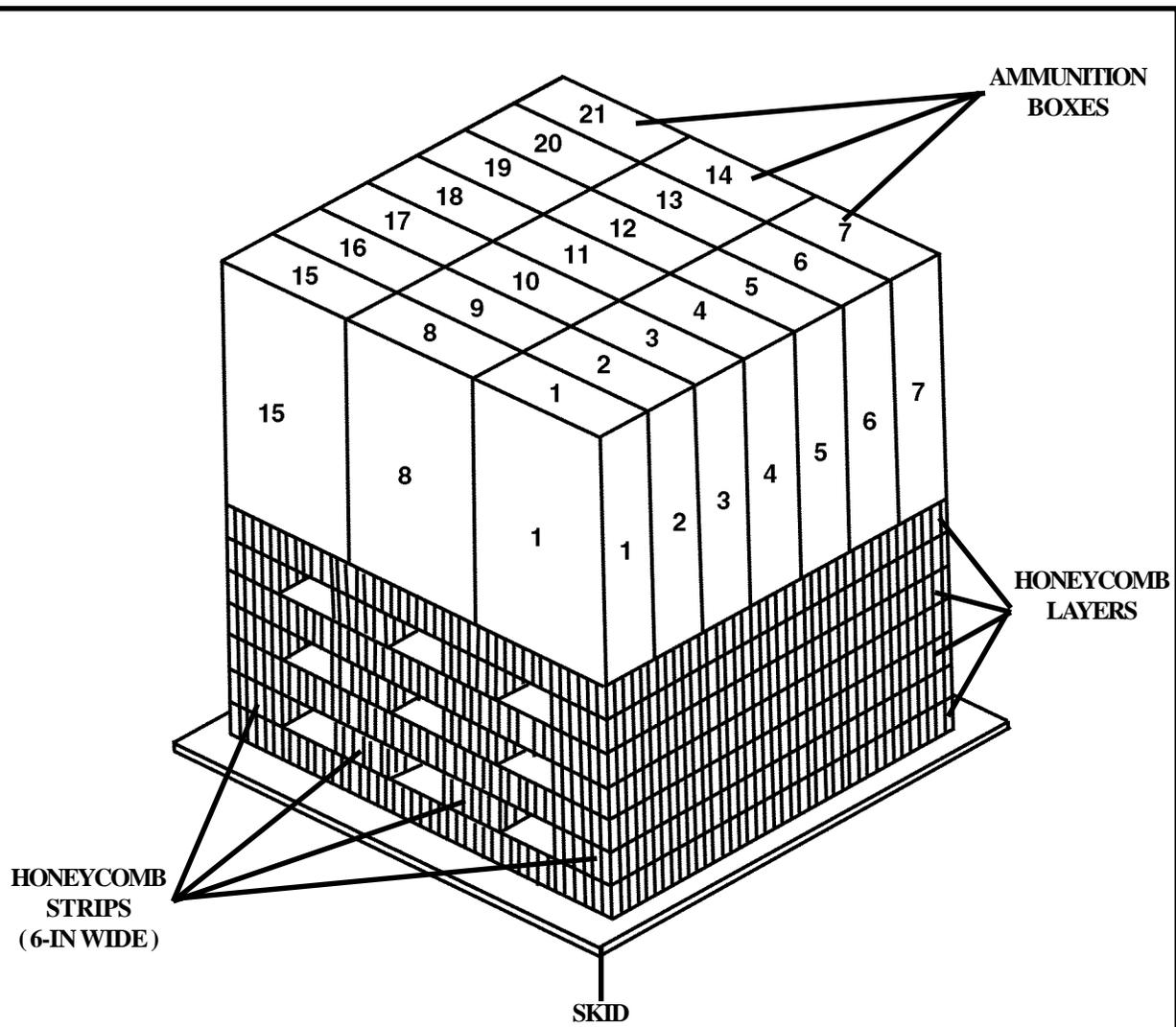


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-134.*

**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*

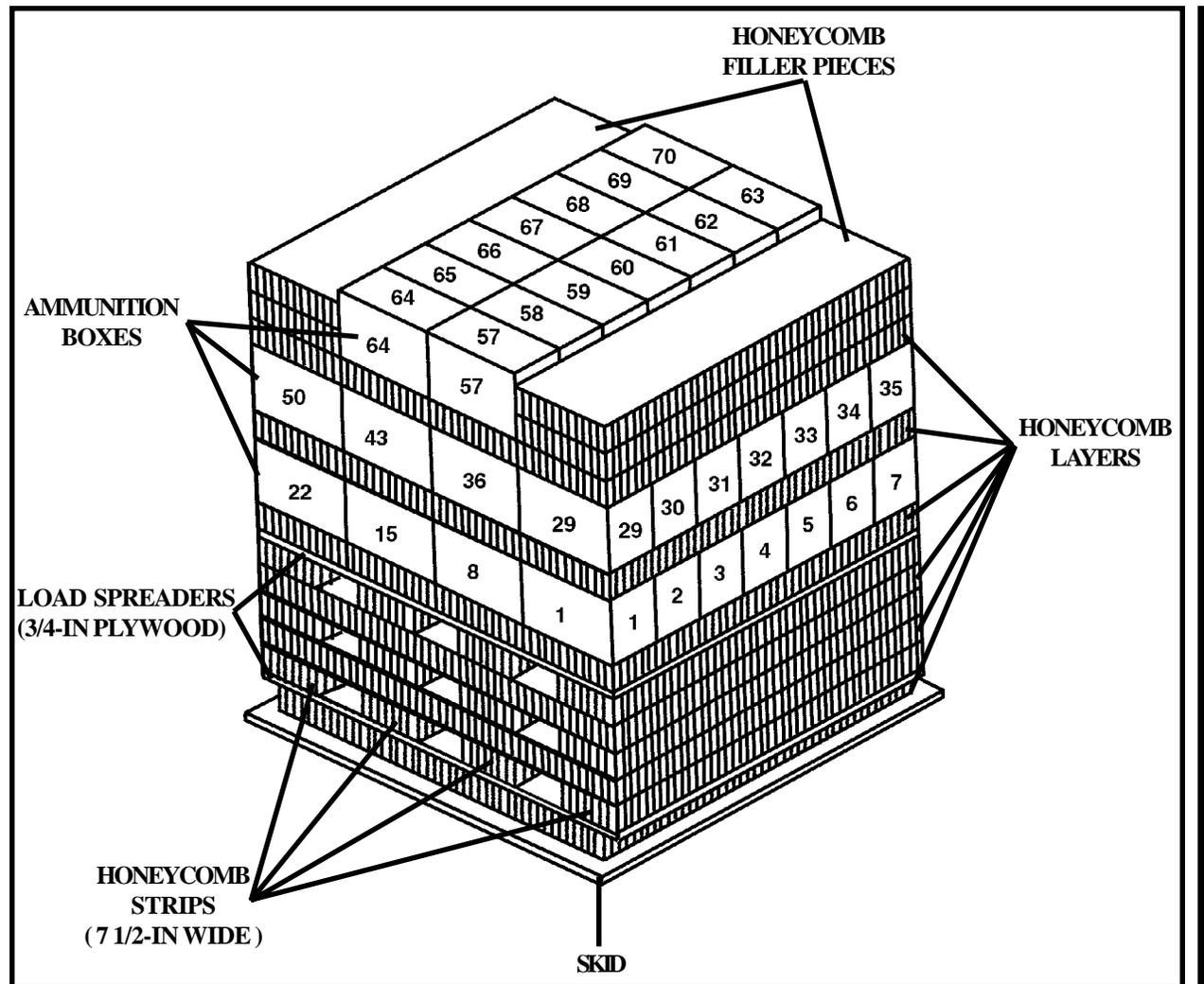


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-135.*

**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*

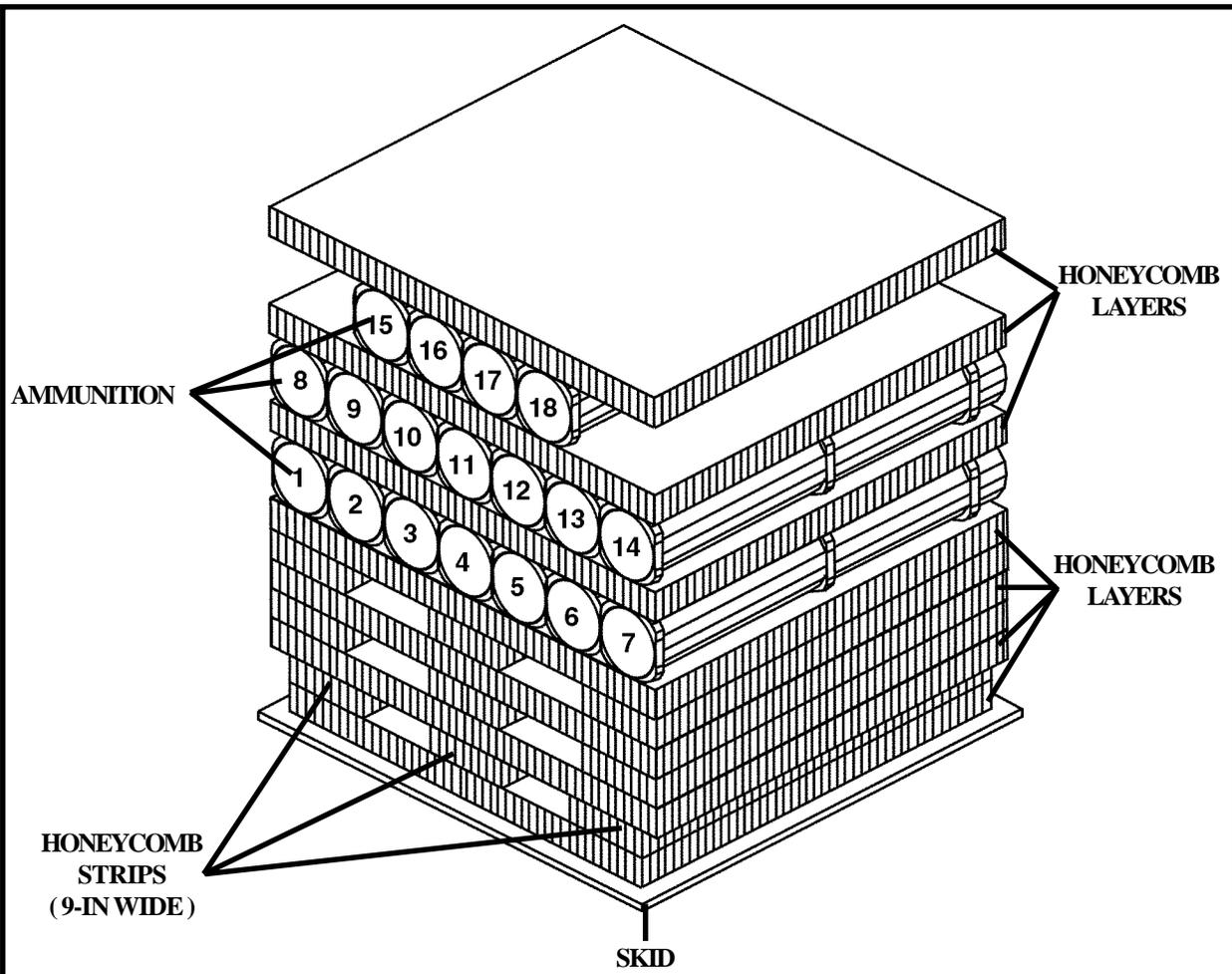


The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-136.

**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*

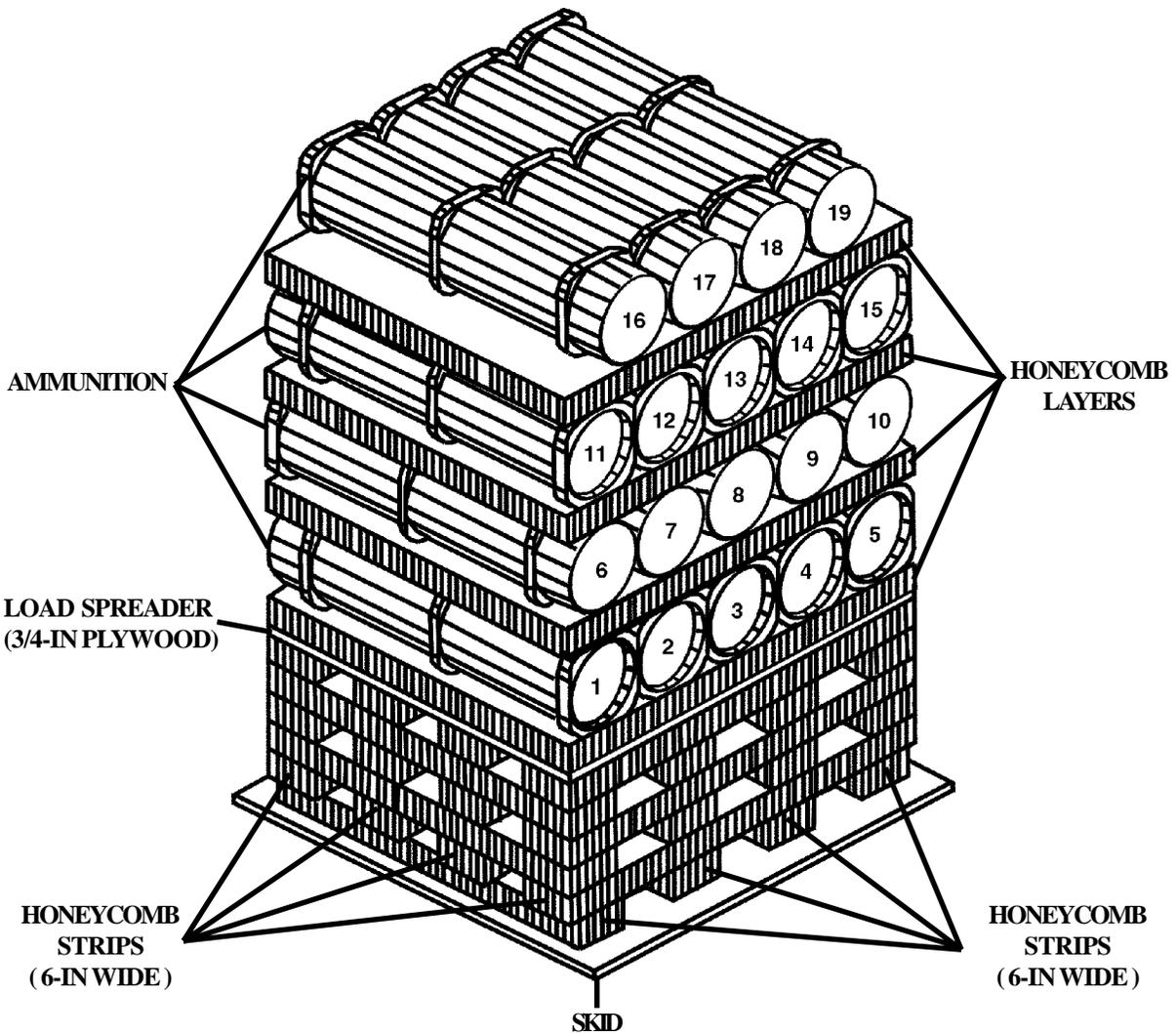


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-137.*

**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*

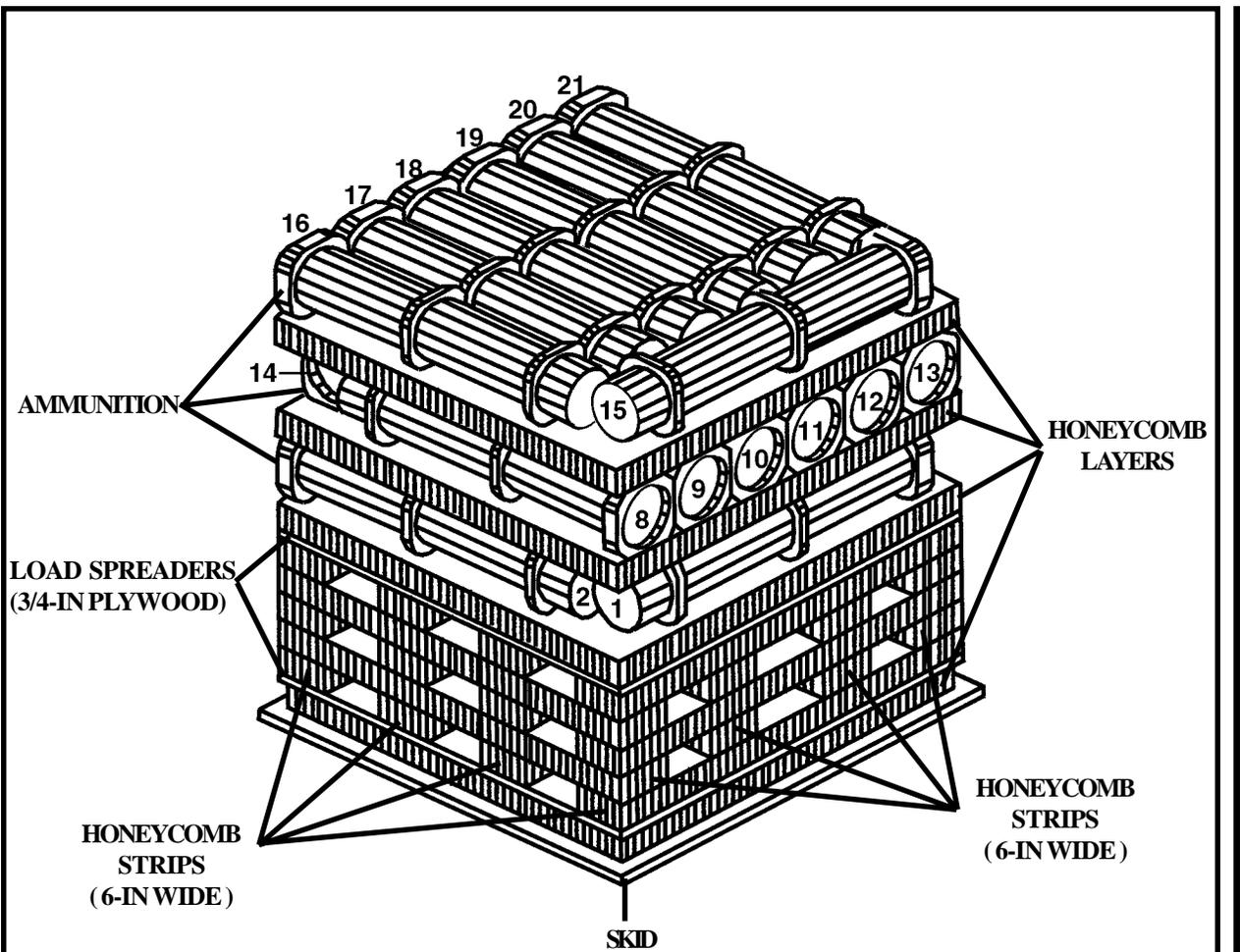


*The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 2-138.*

**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.

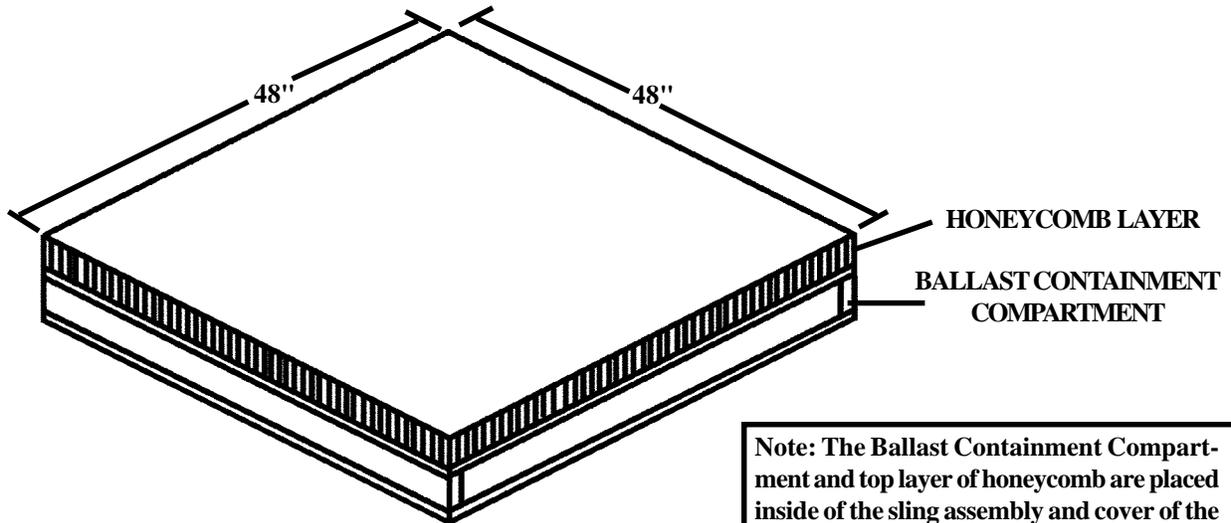
**Demolition Items**

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

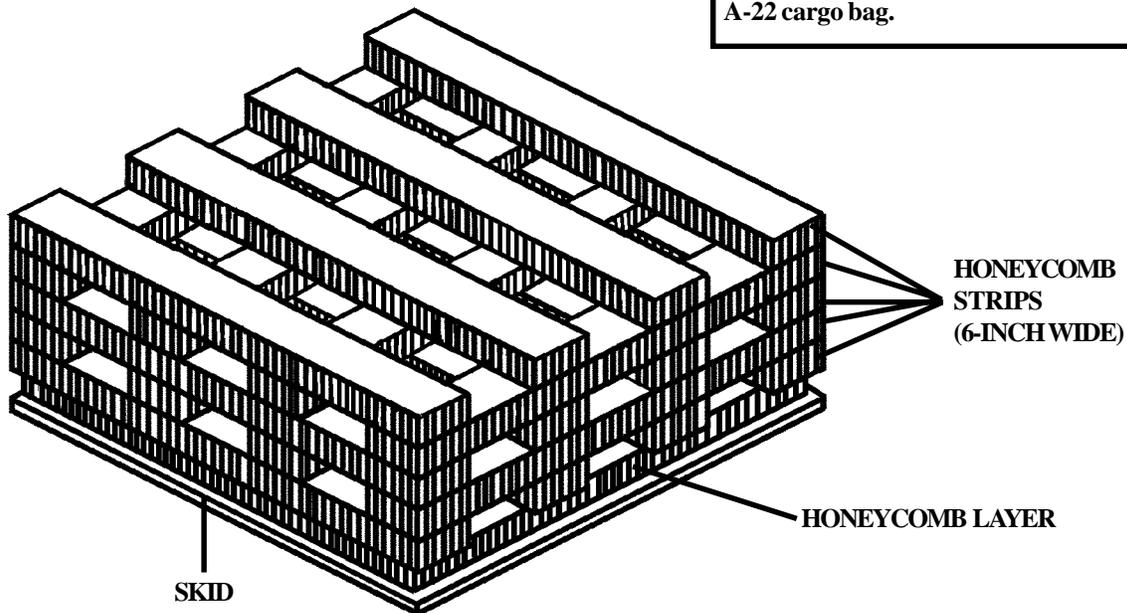
Figure 2-139. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

**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 may be 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)

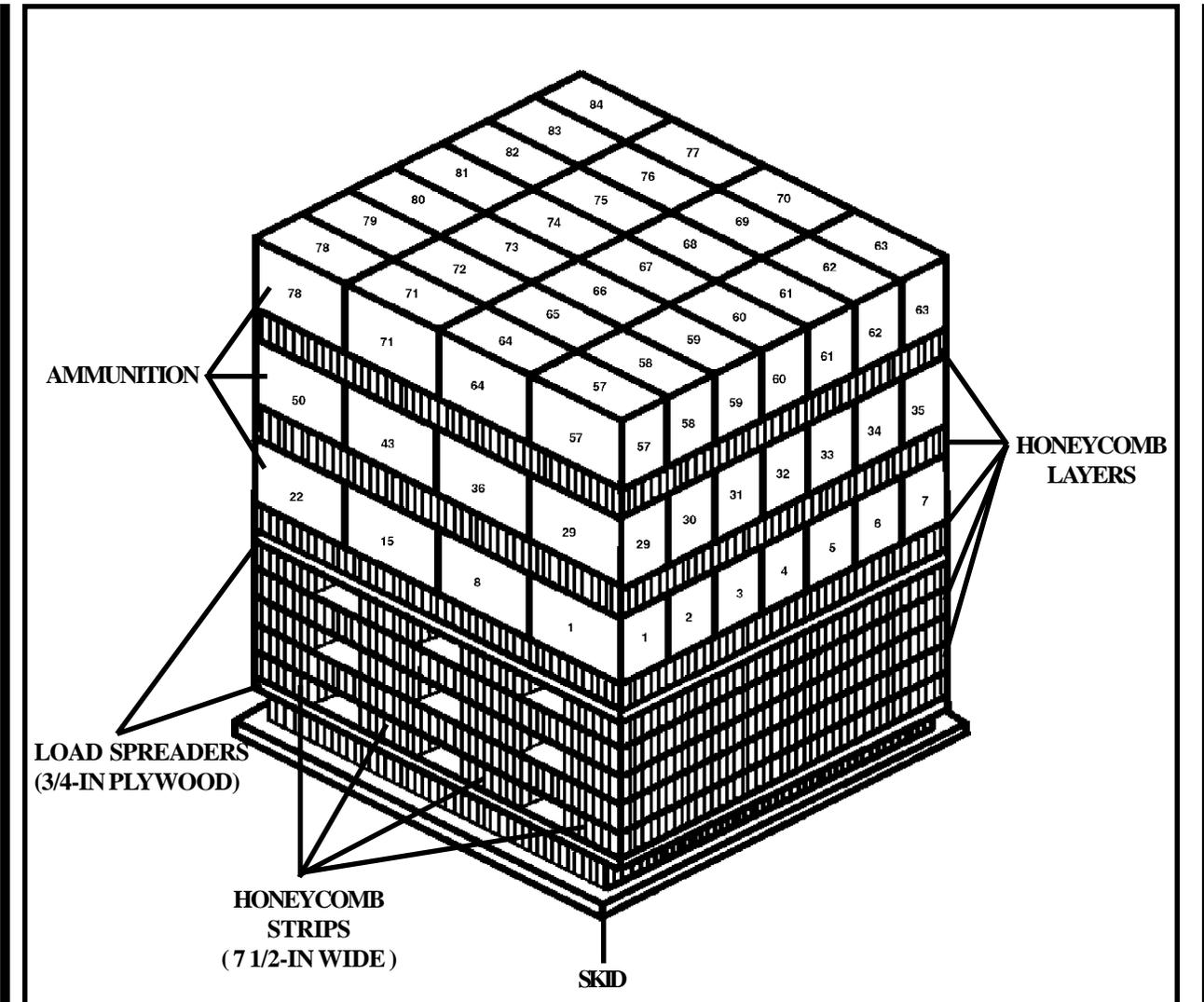
Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S), (DODAC 1375-MN03)

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*

## CHAPTER 3

### RIGGING A-7A CARGO SLINGS AND A-21 CARGO BAG LOADS

#### SECTION I

#### LOW-VELOCITY AIRDROP

##### 3-1. Preparing A-7A Cargo Slings and A-21 Cargo Bags

Prepare the A-7A cargo slings and A-21 cargo bags according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.

##### 3-2. Special Instructions

Follow these special instructions when rigging the A-7A cargo slings and A-21 cargo bags for low-velocity airdrop.

a. The ammunition loads are positioned in the A-7A cargo slings or A-21 cargo bags for low-velocity airdrop according to the figures listed in this section.

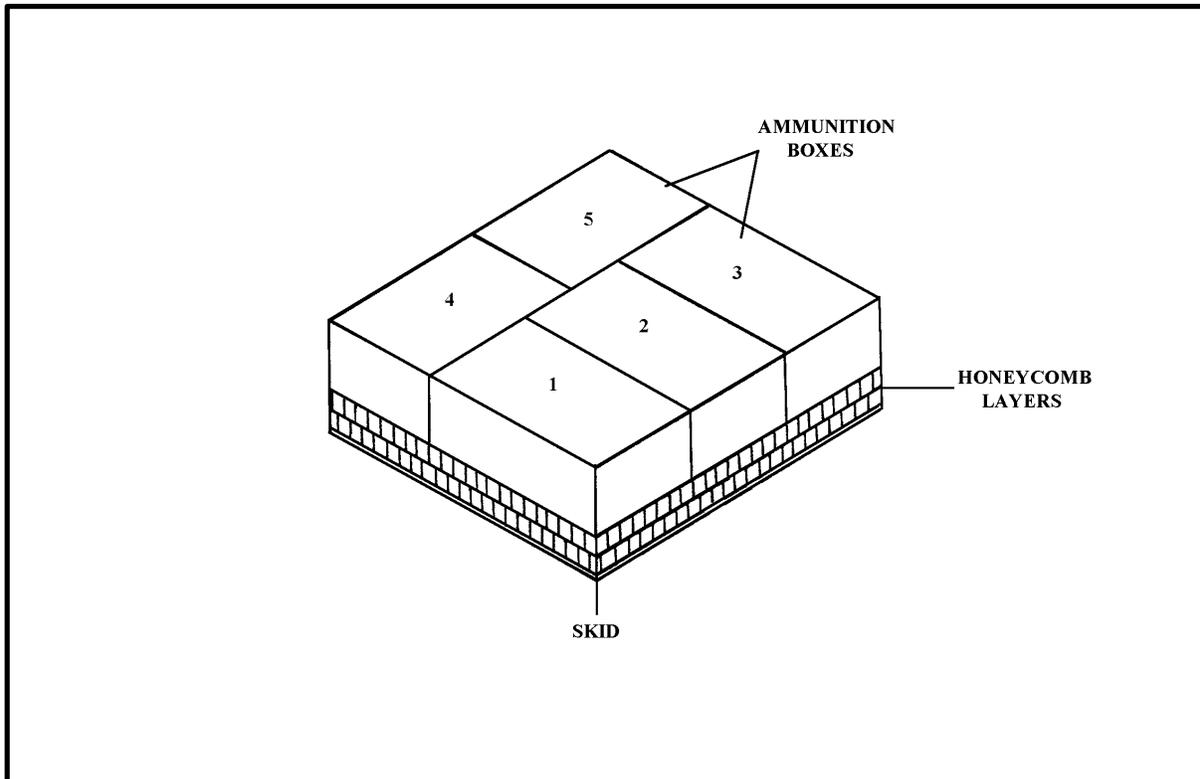
b. The A-7A cargo sling and A-21 cargo bag dimension limits are listed in FM 10-500-3/TO 13C7-1-11/FMFM 7-47 according to the type of aircraft used.

c. The minimum allowable weight of an A-7A cargo sling or A-21 cargo bag, including parachute, is 28 pounds per square foot, based on the largest surface area.

d. The A-7A cargo sling or A-21 cargo bag must be closed and secured according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.

##### 3-3. Parachute Requirements

Select the correct parachute from Table 1-1. Attach the parachute to the rigged load according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-1.*

**5.56-Millimeter Ammunition**

- Cartridge, 5.56-mm, Ball, M855, (DODAC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODAC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODAC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODAC 1305-A071)

**7.62-Millimeter Ammunition**

- Cartridge, 7.62-mm, Ball, M59 and M80, (DODAC 1305-A122)
- Cartridge, 7.62-mm, Tracer, M62, (DODAC 1305-A124)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80 (DODAC 1305-A127)
- Cartridge, 7.62-mm, 5-rd Clip, M80, (DODAC 1305-A130)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62 (DODAC 1305-A131)
- Cartridge, 7.62-mm, Match, M118, (DODAC 1305-A136)
- Cartridge, 7.62-mm, Tracer, M62, (DODAC 1305-A140)
- Cartridge, 7.62-mm, Ball, M80, Linked, (DODAC 1305-A143)
- Cartridge, 7.62-mm, Tracer, M62, Clipped, (DODAC 1305-A145)
- Cartridge, 7.62-mm, Tracer, M62, Linked, (DODAC 1305-A146)

*Figure 3-1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

**.30-Caliber Ammunition**

Cartridge, Cal .30, AP API, 8-rd Clip, Grade R, (DODAC 1305-A205)  
Cartridge, Cal .30, AP API, M2 Linked with M1 Link, Grade MG,  
(DODAC 1305-A207)  
Cartridge, Cal. 30, AP API, Linked with Tracer, (DODAC 1305-A209)  
Cartridge, Cal. 30, Ball, M2, (DODAC 1305-A212)  
Cartridge, Cal. 30, Ball, M2, Clipped, (DODAC 1305-A216)  
Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODAC 1305-A234)  
Cartridge, Cal .30, Tracer, M25, Linked, (DODAC 1305-A236)

**.32-Caliber Ammunition**

Cartridge, Cal .32, Ball, Auto 71, Grain, (DODAC 1305-A350)

**.38-Caliber Ammunition**

Cartridge, Cal .38, Special, Ball, M41, (DODAC 1305-A400)

**.45-Caliber Ammunition**

Cartridge, Cal .45, Ball, M1911, (DODAC 1305-A475)

**.50-Caliber Ammunition**

Cartridge, Cal .50, API, M8, (DODAC 1305-A531)  
Cartridge, Cal .50, API, M8, Linked, (DODAC 1305-A533)  
Cartridge, Cal .50, API-T, M20, (DODAC 1305-A541)  
Cartridge, Cal .50, API-T, M1/M17 Linked, (DODAC 1305-A540)  
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC,  
(DODAC 1305-A543)  
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG,  
(DODAC 1305-A544)  
Cartridge, Cal .50, Tracer, M17, Grade MG, (DODAC 1305-A571)  
Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC,  
(DODAC 1305-A572)  
Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODAC 1305-A574)  
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODAC 1305-A576)  
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A577)  
Cartridge, Cal .50, API-T, M20, Linked, (DODAC 1305-A585)  
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A587)  
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A589)

**Grenade**

Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODAC 1330-G839)

*Figure 3-1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*

**Incendiary Item**

Burster, Incendiary, Field, M4 without Fuze, (DODAC 1345-K010)

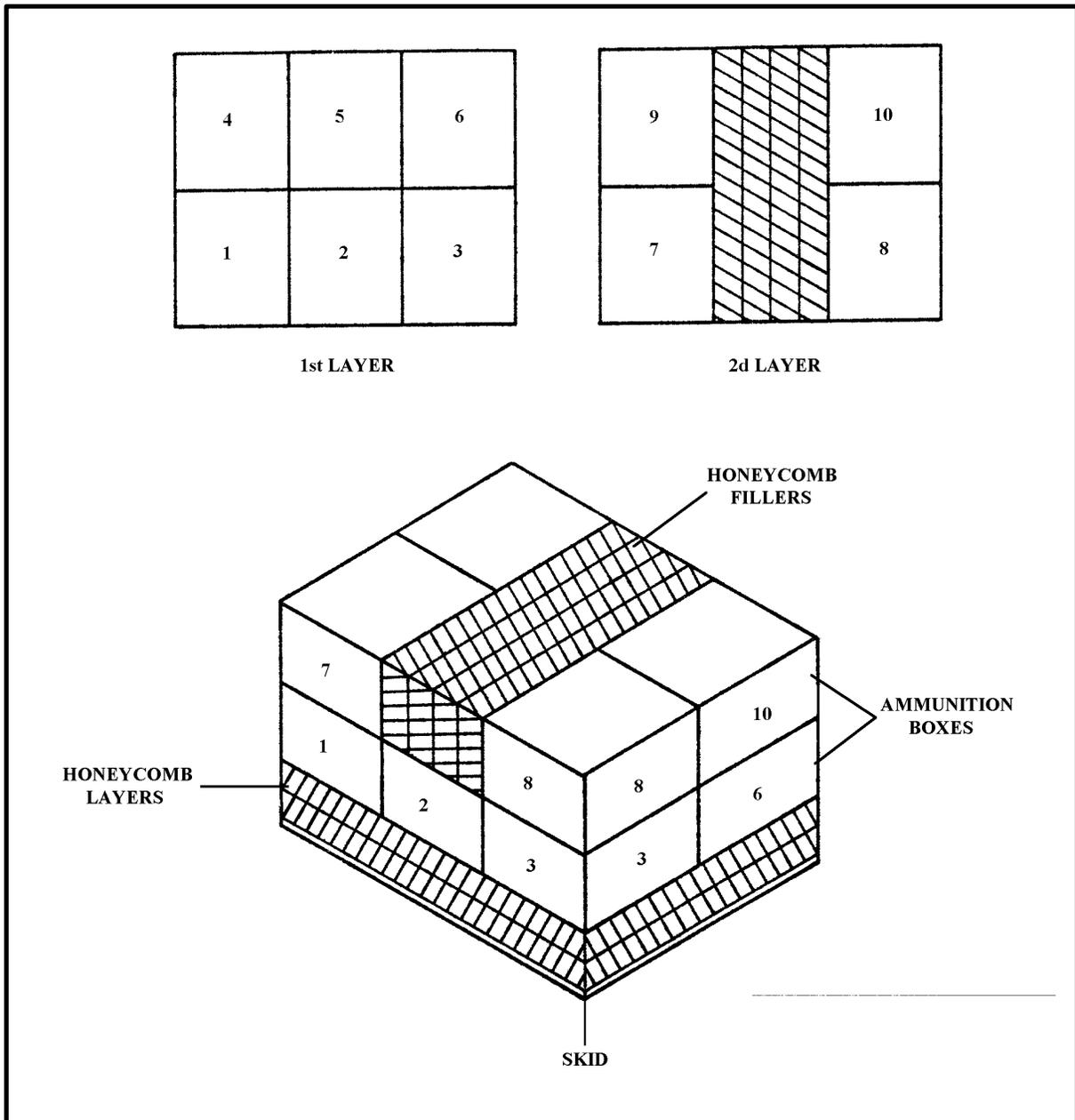
**Mine**

Mine, Antipersonnel, M18A1 with Accessories, (DODAC 1345-K143)

**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, 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)

*Figure 3-1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop  
(continued)*

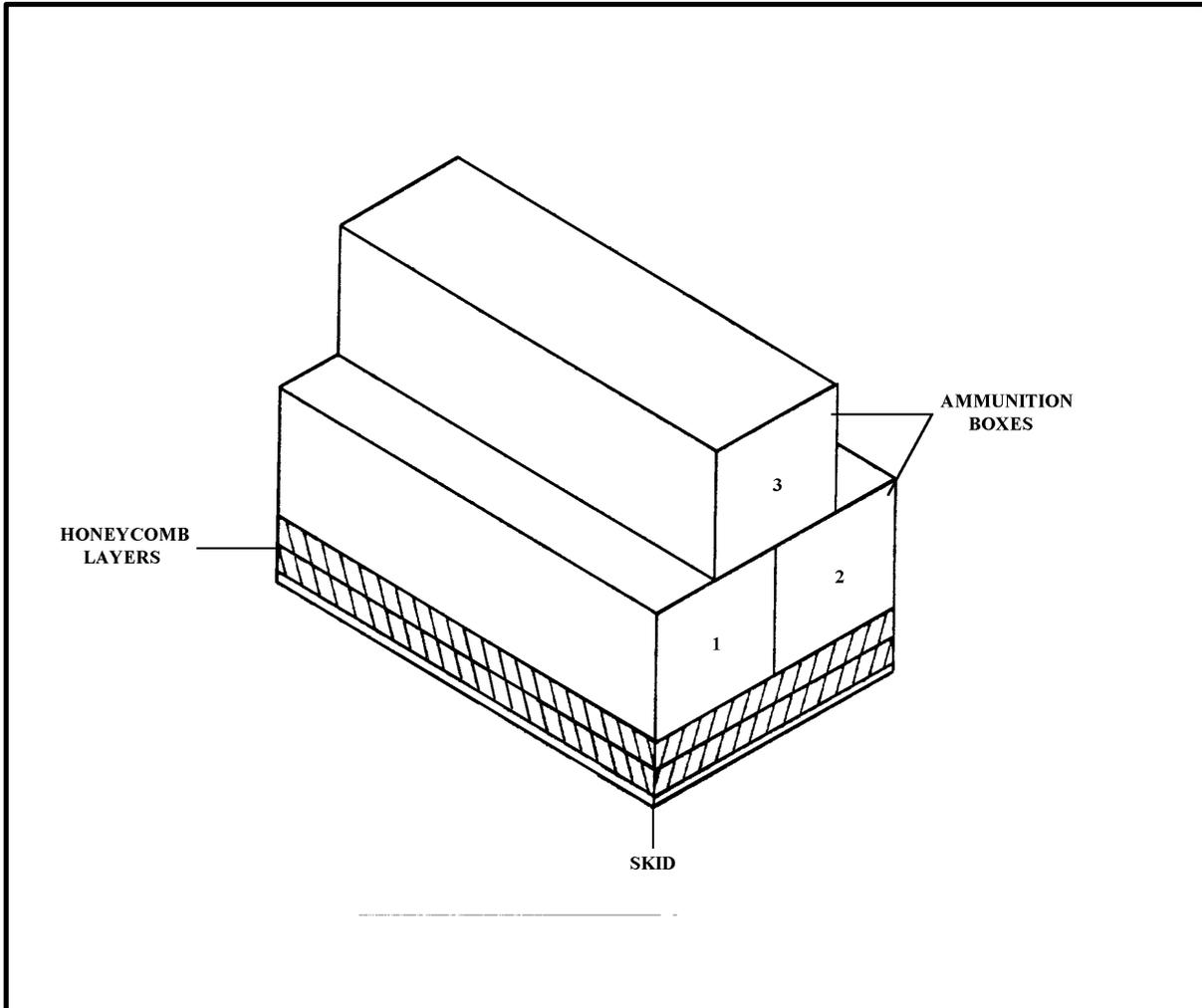


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-2.*

**Shotgun Ammunition**

Cartridge, 12-gauge Shotgun, No. 00 Buckshot, M162, (DODAC 1305-A011)

*Figure 3-2. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-3.*

**7.62-Millimeter Ammunition**

Cartridge, 7.62-mm, Linked, 9-ball, M80, 1 TR, M62, (DODAC 1305-A165)

**.30-Caliber Ammunition**

Cartridge, Cal .30, AP API, Carton, Grade R, (DODAC 1305-A201)  
Cartridge, Cal .30, AP API, Carton, Grade MG, (DODAC 1305-A202)  
Cartridge, Cal .30, Ball, M2, Clipped, (DODAC 1305-A214)  
Cartridge, Cal .30, Tracer, M1, Clipped, (DODAC 1305-A232)

**.50-Caliber Ammunition**

Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODAC 1305-A542)

*Figure 3-3. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

**40-Millimeter Ammunition**

Cartridge, 40-mm, AP-T, M81, (DODAC 1310-B552)  
 Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODAC 1310-B562)

**4.2-Inch Ammunition**

Cartridge, 4.2-in, HE, M329A1, (DODAC 1315-C704)  
 Cartridge, 4.2-in, HE, M329A1, (DODAC 1315-C705)  
 Cartridge, 4.2-in, Illuminating, M335A2, (DODAC 1315-C706)  
 Cartridge, 4.2-in, Smoke, WP, M328A1, (DODAC 1315-C708)

**90-Millimeter Ammunition**

Cartridge, 90-mm, WP, M313C, (DODAC 1315-C258)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C265)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C266)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C267)  
 Cartridge, 90-mm, Smoke, WP, M313, (DODAC 1315-C273)  
 Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODAC 1315-C280)  
 Cartridge, 90-mm, AP-T, M318 or M318A1, (DODAC 1315-C285)  
 Cartridge, 90-mm, HEP-T, T142E3, (DODAC 1315-C292)  
 Cartridge, 90-mm, HEAT, M431, (DODAC 1315-C294)  
 Cartridge, 90-mm, Canister, M377, (DODAC 1315-C601)

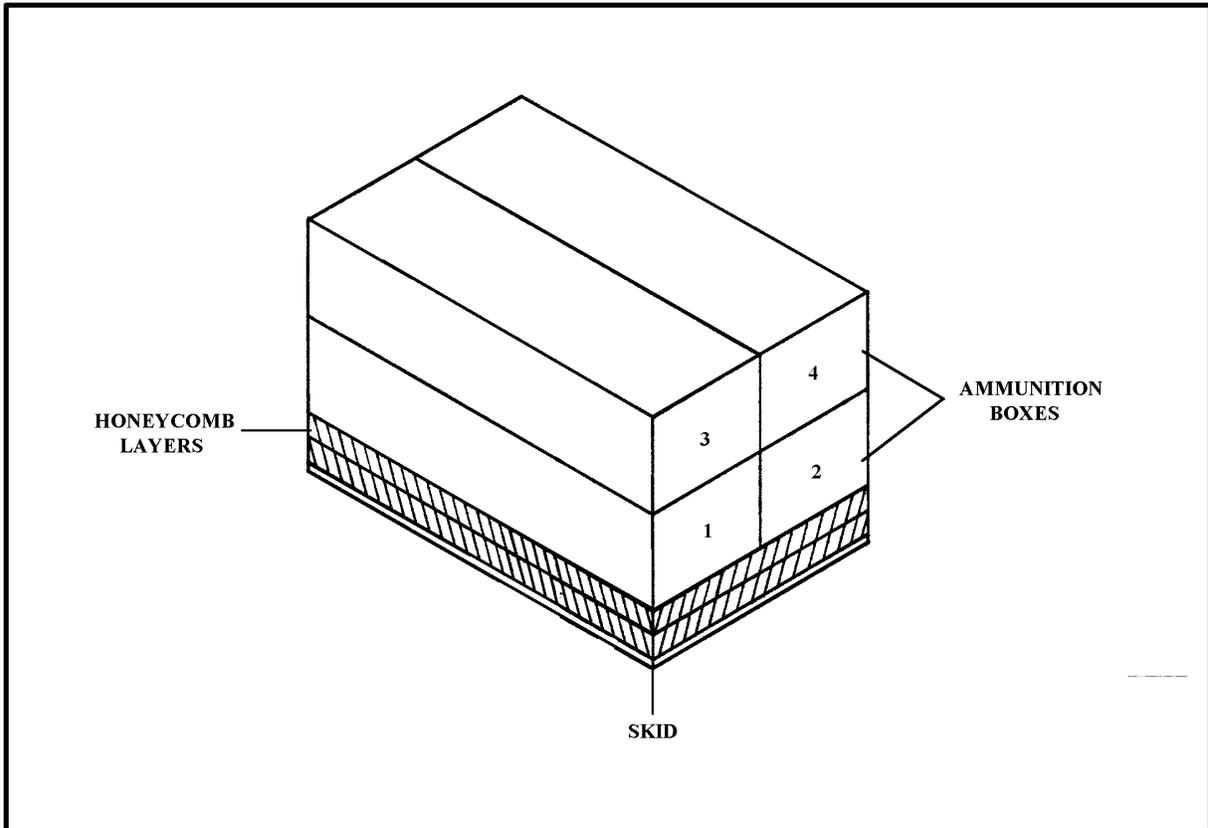
**105-Millimeter Ammunition**

Cartridge, 105-mm, HE, M1, (DODAC 1315-C443)  
 Cartridge, 105-mm, HE, M1, (DODAC 1315-C444)  
 Cartridge, 105-mm, HE, M1, (DODAC 1315-C445)  
 Cartridge, 105-mm, HEP-T, M327, (DODAC 1315-C448)  
 Cartridge, 105-mm, Illuminating, M314A3, (DODAC 1315-C449)  
 Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODAC 1315-C452)  
 Cartridge, 105-mm, Smoke, WP, M60, (DODAC 1315-C454)  
 Cartridge, 105-mm, HE, M444, (DODAC 1315-C462)  
 Cartridge, 105-mm, HE, XM548E1, (DODAC 1315-C463)  
 Cartridge, 105-mm, Tactical, CS, M629, (DODAC 1315-C468)  
 Cartridge, 105-mm, HE, M760, (DODAC 1315-C473)  
 Cartridge, 105-mm, Smoke, WP, M60, (DODAC 1315-C477)  
 Cartridge, 105-mm, APDS-T, M728, (DODAC 1315-C494)  
 Cartridge, 105-mm, APDS-T, M392A2, (DODAC 1315-C505)  
 Cartridge, 105-mm, HEAT-T, M456A1E2, (DODAC 1315-C508)  
 Cartridge, 105-mm, TP-T, M490, (DODAC 1315-C511)  
 Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1,  
 (DODAC 1315-C512)  
 Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563, (DODAC 1315-C513)  
 Cartridge, 105-mm, HEP-T, M393A2, (DODAC 1315-C518)  
 Cartridge, 105-mm, APER-T, M494 with Fuze M571, (DODAC 1315-C519)

*Figure 3-3. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*

<p style="text-align: center;"><b>106-Millimeter Ammunition</b></p> <p>Cartridge, 106-mm, HEAT, M344A1, (DODAC 1315-C650) Cartridge, 106-mm, HEP-T, M346A1, (DODAC 1315-C651) Cartridge, 106-mm, APERS-T, M581, (DODAC 1315-C660)</p> <p style="text-align: center;"><b>Mine</b></p> <p>Mine, Antitank, HE, M121, Heavy with Fuze Combination M607, (DODAC 1345-K181)</p> <p style="text-align: center;"><b>Demolition Item</b></p> <p>Firing Device, Demolition, M1, Pull Type, (DODAC 1375-M630)</p>
--

*Figure 3-3. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-4.*

**.50-Caliber Ammunition**

Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20,  
(DODAC 1305-A532)

Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG (DODAC 1305-A534)

**40-Millimeter Ammunition**

Cartridge, 40-mm, HEI-T, SD, M3, (DODAC 1310-B559)

**60-Millimeter Ammunition**

Cartridge, 60-mm, Illuminating, M83A3, (DODAC 1310-B627)

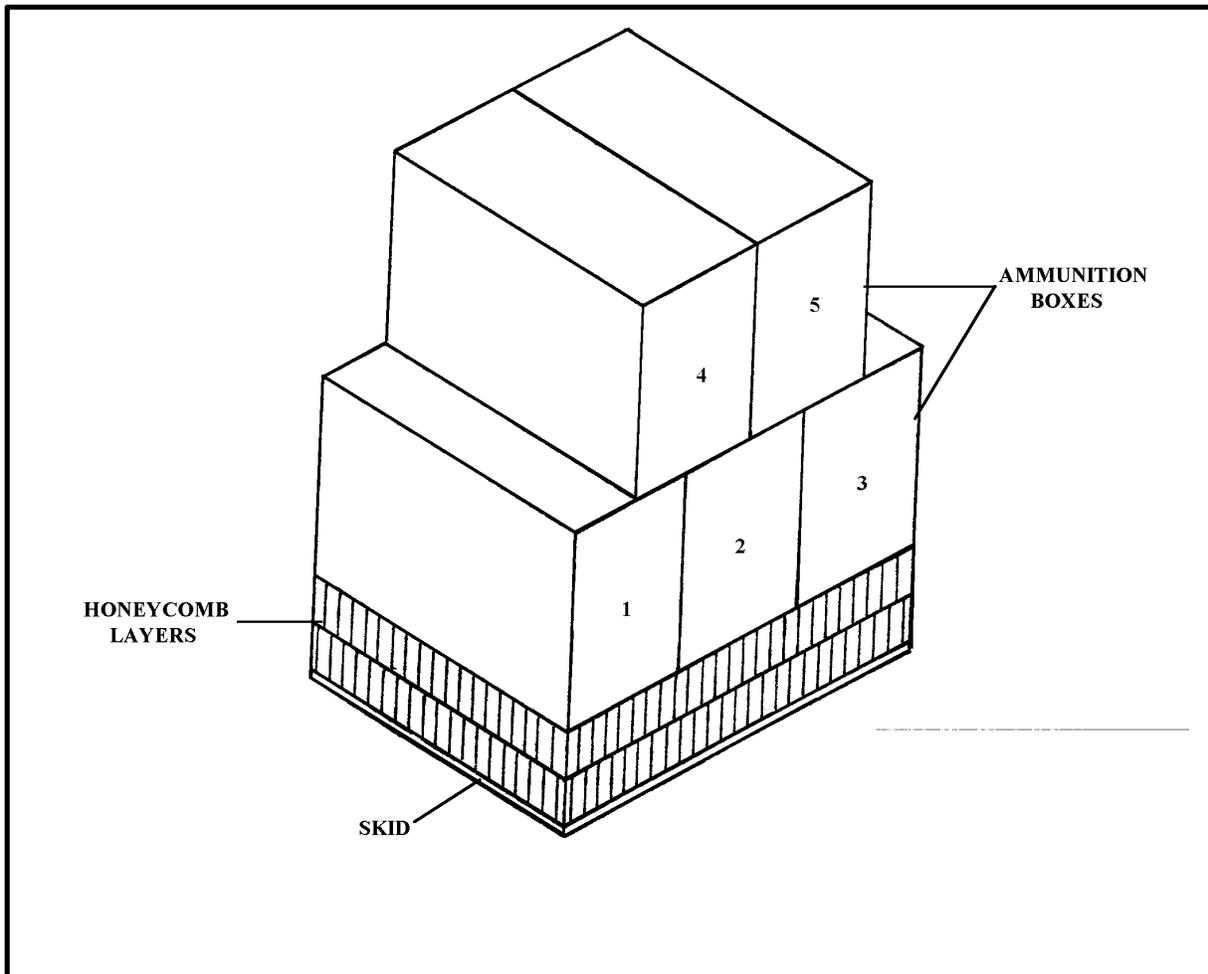
**81-Millimeter Ammunition**

Cartridge, 81-mm, Illuminating, M301A3, (DODAC 1315-C226)

*Figure 3-4. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

<p style="text-align: center;"><b>Mine</b></p> <p style="text-align: center;">Mine, AP, M26, (DODAC 1345-K146)</p> <p style="text-align: center;"><b>Demolition Items</b></p> <p style="text-align: center;">Charge, Demolition, Block, 1/4-lb TNT, (DODAC 1375-M030) Charge, Demolition, Roll-Type, XM-186, (DODAC 1375-M060) Cap, Blasting, Special Non-Electric, M7, (DODAC 1375-M131) Cord, Detonating, Reinforced Pliofilm/Wrapped Waterproof, Type I, (DODAC 1375-M456) Dynamite, Military, M1, (DODAC 1375-M591) Firing Device, Demolition, M1A1 Pressure-Type, (DODAC 1375-M626)</p> <p style="text-align: center;"><b>Fuzes and Primers</b></p> <p style="text-align: center;">Primer, Percussion, M82, (DODAC 1390-N523)</p>
--

*Figure 3-4. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-5.*

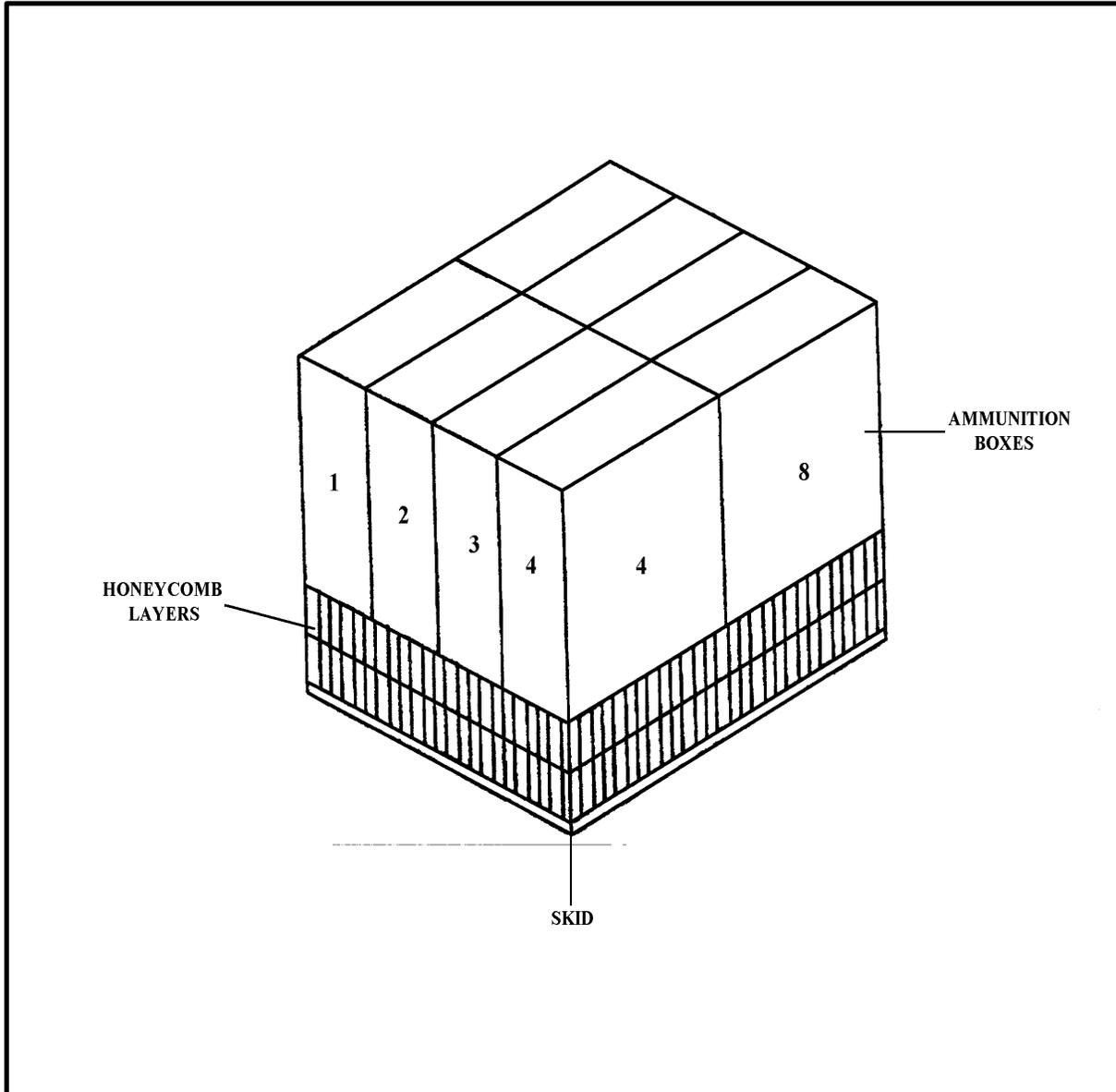
**20-Millimeter Ammunition**

- Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODAC 1305-A653)
- Cartridge, 20-mm, Linked, HEI, M56A3-1, M220, (DODAC 1305-A655)
- Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODAC 1305-A792)

**Demolition Items**

- Charge, Demolition, Block, 1/2-lb TNT, (DODAC 1375-M031)
- Charge, Demolition, Block, 1-lb TNT, (DODAC 1375-M032)

*Figure 3-5. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-6.*

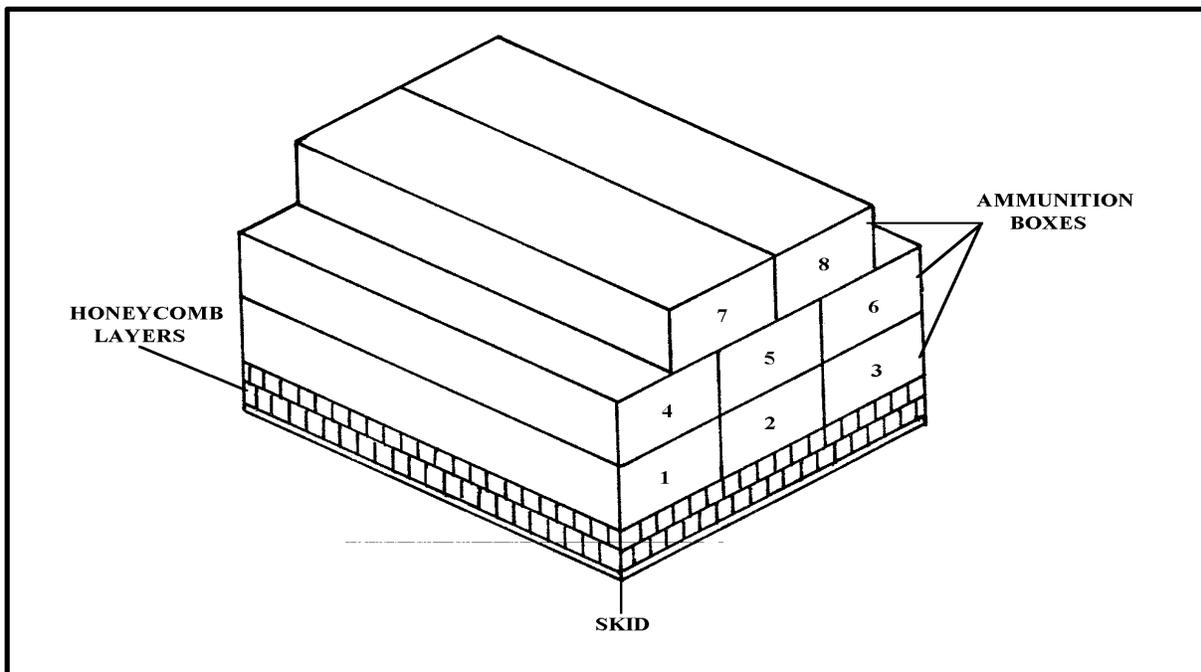
**25-Millimeter Ammunition**

Cartridge, 25-mm, M791, (DODAC 1305-A974)

Cartridge, 25-mm, HEI-T, M792, w/M758 Fuze, (DODAC 1305-A975)

Cartridge, 25-mm, M919, (DODAC 1305-A986)

*Figure 3-6. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-7.*

**40-Millimeter Ammunition**

- Cartridge, 40-mm, HEDP, M33, (DODAC 1310-B470)
- Cartridge, 40-mm, HEDP, Linked, M430, (DODAC 1310-B542)
- Cartridge, 40-mm, HE, Linked, M383E1, (DODAC 1310-B571)
- Cartridge, 40-mm, HE, Linked, M384, (DODAC 1310-B572)

**60-Millimeter Ammunition**

- Cartridge, 60-mm, HE, M49A4, (DODAC 1310-B632)

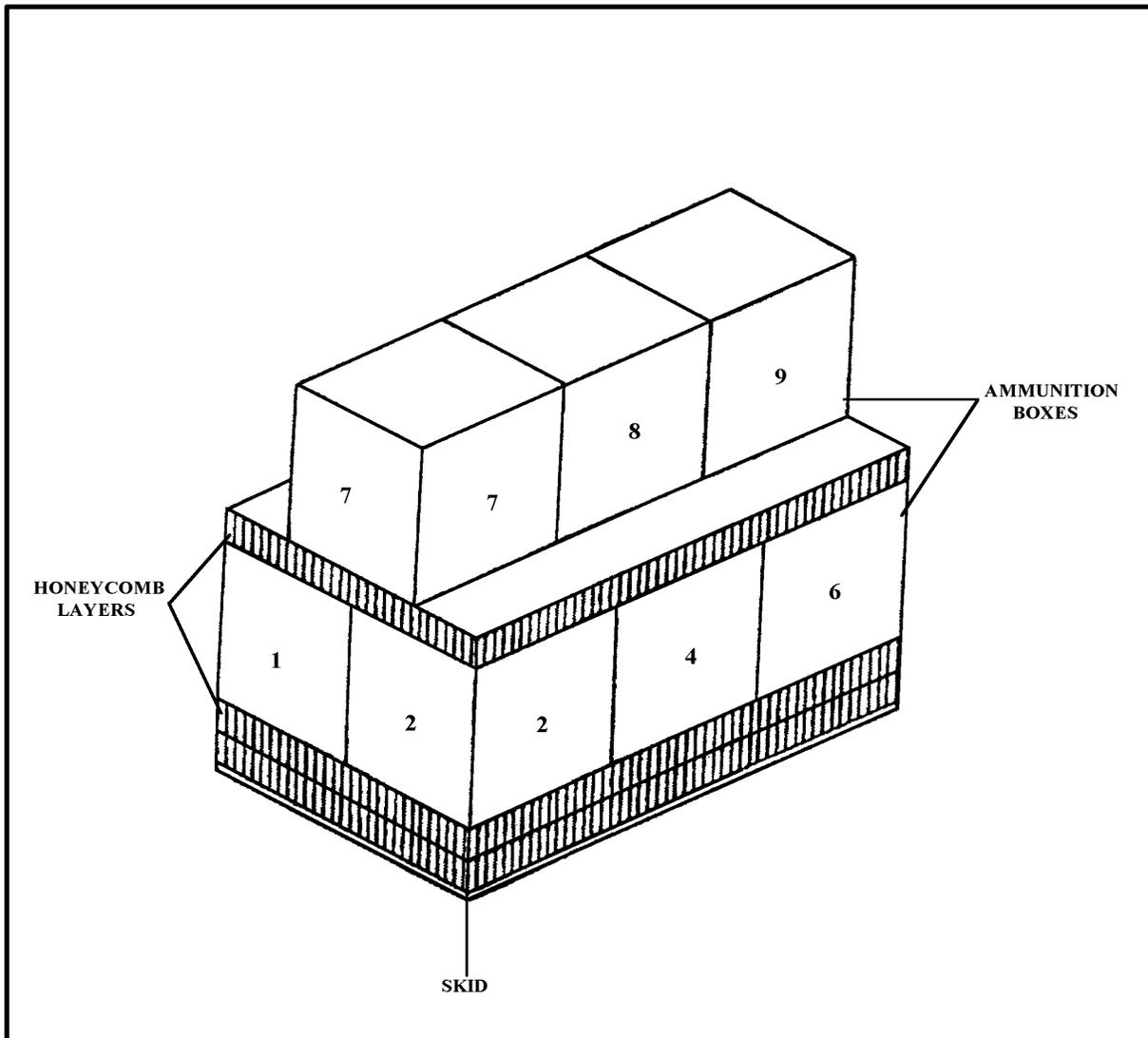
**81-Millimeter Ammunition**

- Cartridge, 81-mm, HE, M362, (DODAC 1315-C222)
- Cartridge, 81-mm, HE, M372, (DODAC 1315-C223)
- Cartridge, 81-mm, HE, M43A1, (DODAC 1315-C225)
- Cartridge, 81-mm, Smoke, WP, M57, (DODAC 1315-C230)
- Cartridge, 81-mm, HE, M374A2, (DODAC 1315-C236)
- Cartridge, 81-mm, HE, M374A2 with Fuze M524A5, (DODAC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M524A6, (DODAC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M567, (DODAC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M716, (DODAC 1315-C256)
- Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6, (DODAC 1315-C276)

*Figure 3-7. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

<p style="text-align: center;"><b>90-Millimeter Ammunition</b></p> <p>Cartridge, 90-mm, HEAT, M371, (DODAC 1315-C282) Cartridge, 90-mm, Canister, APES, M590, (DODAC 1315-C410)</p> <p style="text-align: center;"><b>Grenades</b></p> <p>Grenade, Hand, Offensive, MK3A2 with Fuze, (DODAC 1330-G911)</p> <p style="text-align: center;"><b>Signal Items</b></p> <p>Signal, Illuminating, A/C, Single Star, AN-M43A2, Red, (DODAC 1370-L231) Signal, Illuminating, A/C, Single Star, AN-M45A2, Green, (DODAC 1370-L233)</p> <p style="text-align: center;"><b>Demolition Items</b></p> <p>Charge, Demolition, Block, PETN, M118, (DODAC 1375-M024) Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate (DODAC 1375-M039) Firing Device, Demolition, M5, Pressure-Release Type, (DODAC 1375-M627) Firing Device, Demolition, M1, Release Type, (DODAC 1375-M631)</p>
--

*Figure 3-7. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-8.*

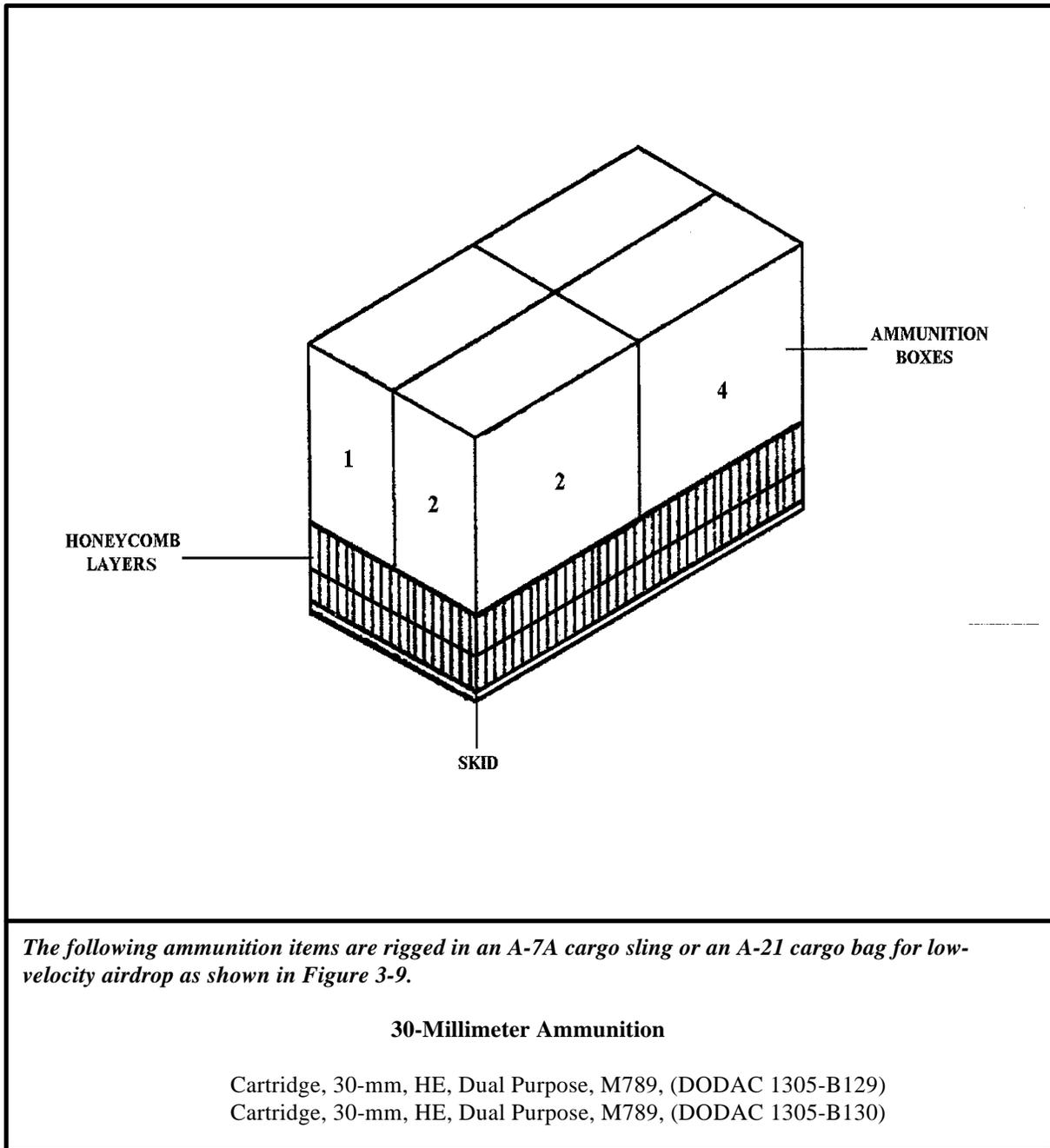
**40-Millimeter Ammunition**

- Cartridge, 40-mm, Illuminating, M661, (DODAC 1310-B504)
- Cartridge, 40-mm, Illuminating, M662, (DODAC 1310-B505)
- Cartridge, 40-mm, Red Smoke, M713, (DODAC 1310-B506)
- Cartridge, 40-mm, Green Smoke, M715, (DODAC 1310-B508)
- Cartridge, 40-mm, Yellow Smoke, M716, (DODAC 1310-B509)

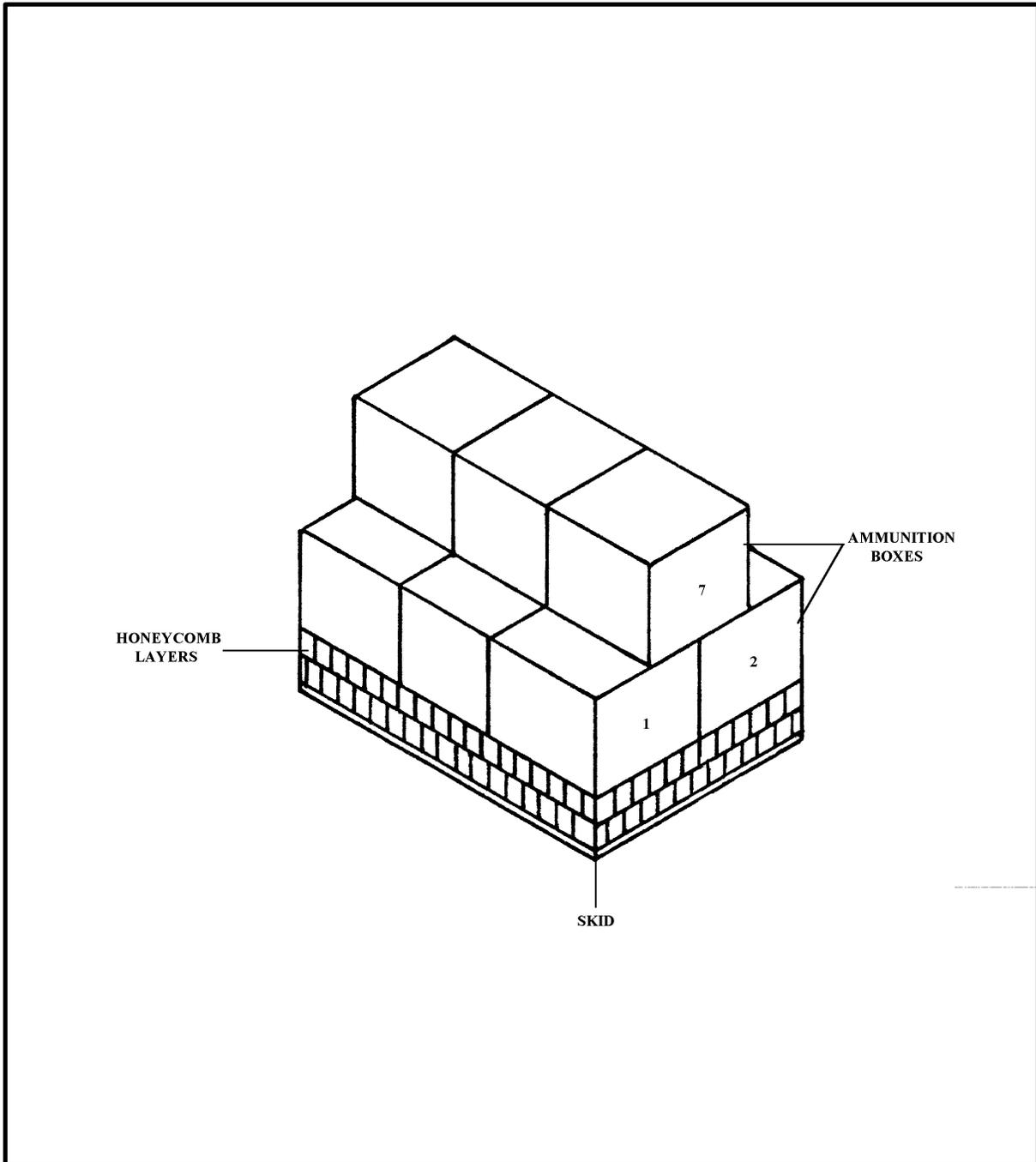
**Incendiary Items**

- Smoke Pot, Hexachloroethane, M5, (DODAC 1365-K866)
- Smoke Pot, Floating, HC, M4A2, (DODAC 1365-K867)

*Figure 3-8. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*Figure 3-9. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

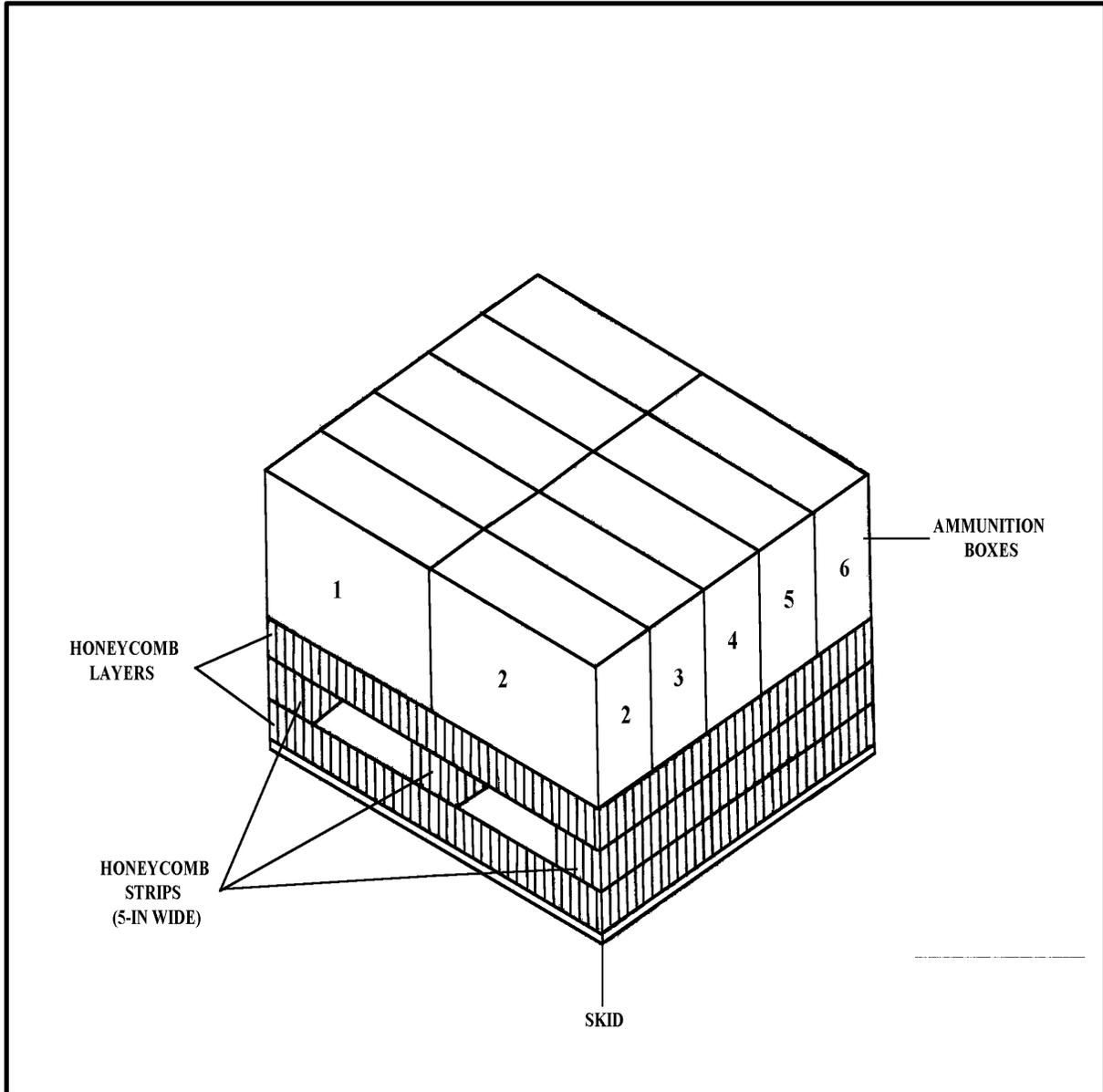


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-10.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, White Star, M583A1, (DODAC 1310-B535)

*Figure 3-10. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



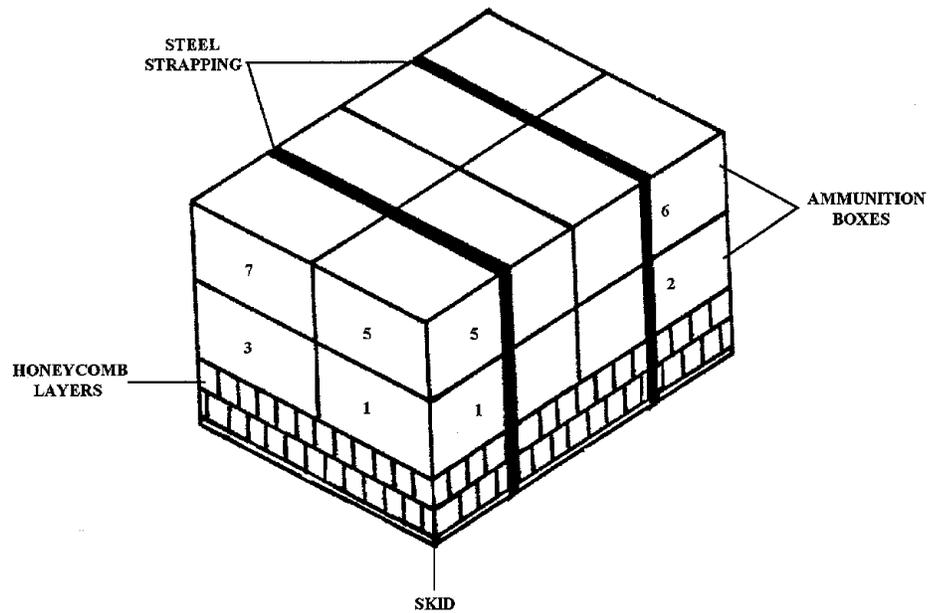
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-11.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, HEDP, Linked, M430, (DODAC 1310-B542)

Cartridge, 40-mm, TP, M918, (DODAC 1310-B584)

*Figure 3-11. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-12.*

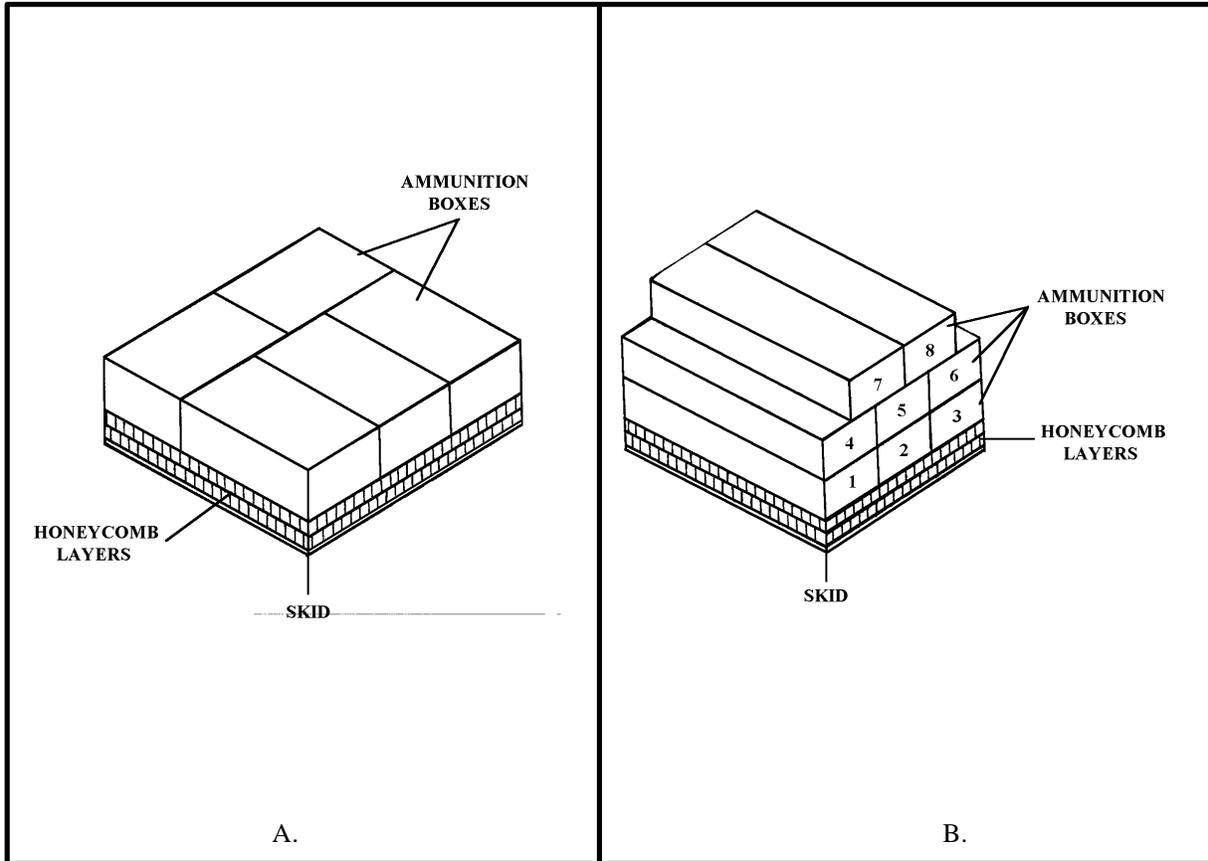
**40-Millimeter Ammunition**

Cartridge, 40-mm, HEDP, M433, (DODAC 1310-B546)

**Signal Item**

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

*Figure 3-12. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-13.*

**60-Millimeter Ammunition**

Cartridge, 60-mm, Smoke, WP, M302A1, (DODAC 1310-B630)

**Grenade**

Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1 (DODAC 1330-G900)

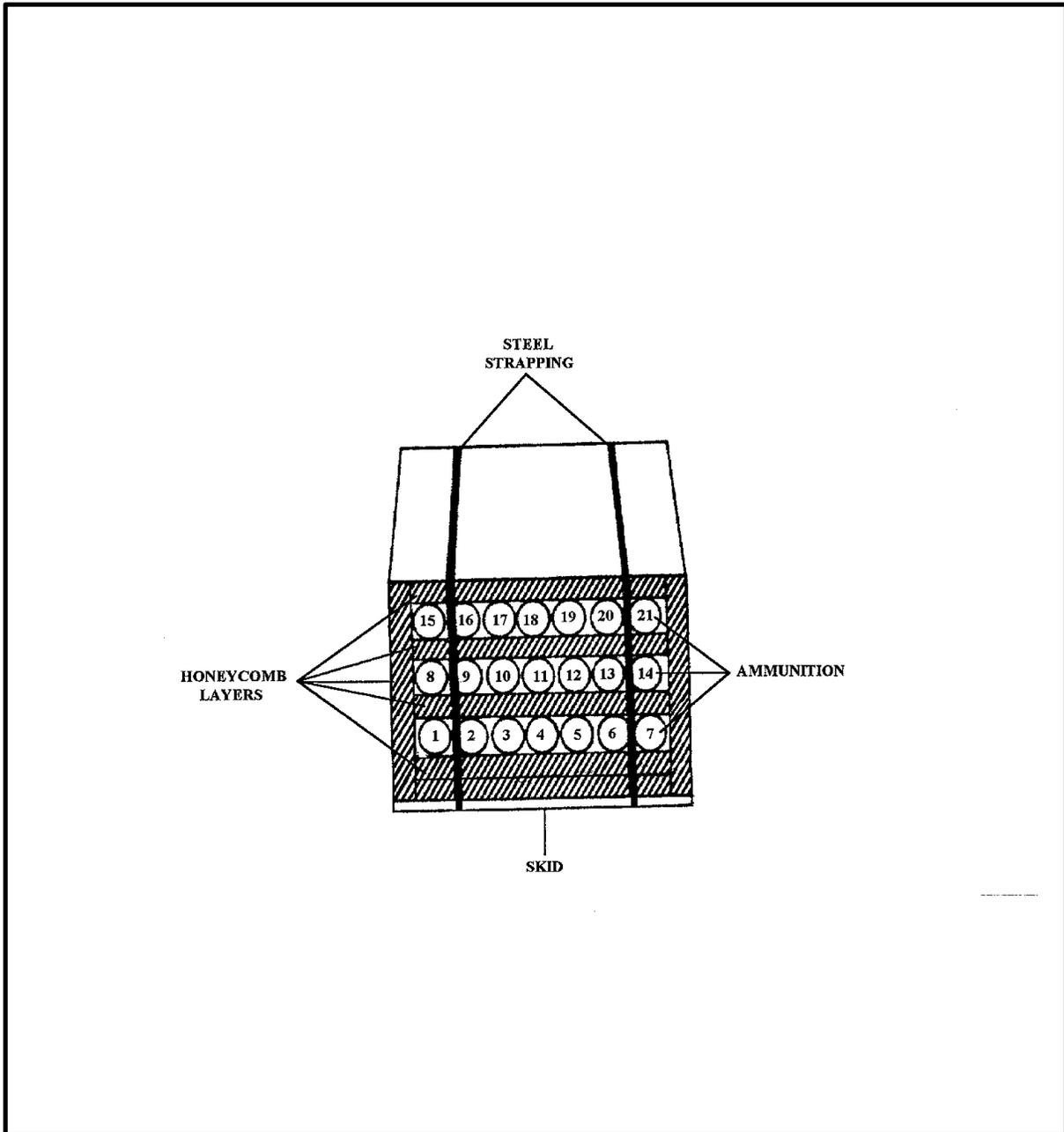
**Mine**

Mine, Antipersonnel, M16A1 with Fuze M605, (DODAC 1345-K092)

**Demolition Items**

Charge, Demolition Block, Comp, C4, 1 1/4-lb, M112, (DODAC 1375-M023)  
 Firing Device, Demolition, M3, Pull-Release Type, (DODAC 1375-M629)

*Figure 3-13. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



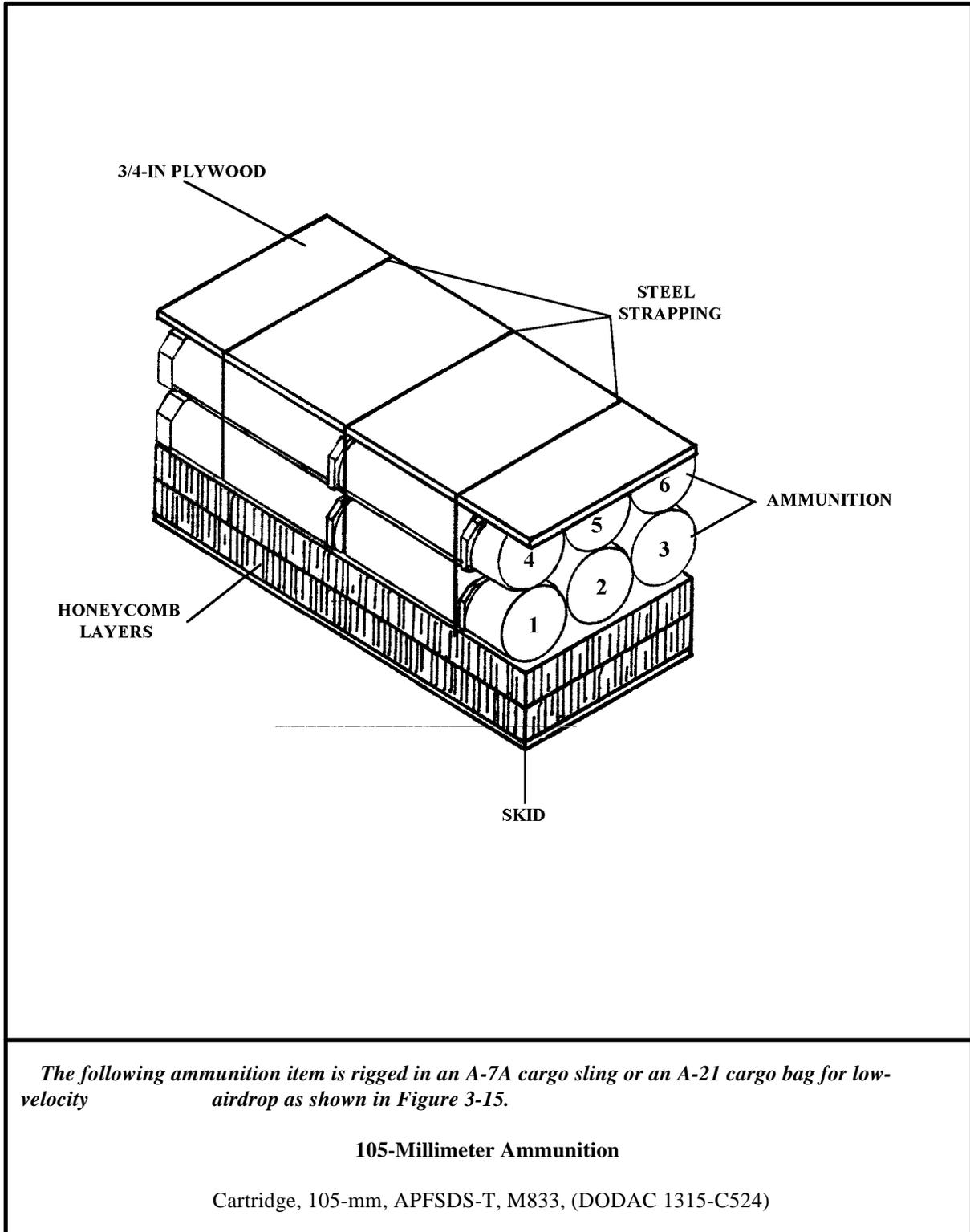
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-14.*

**90-Millimeter Ammunition  
(Rigged in Fiber Containers)**

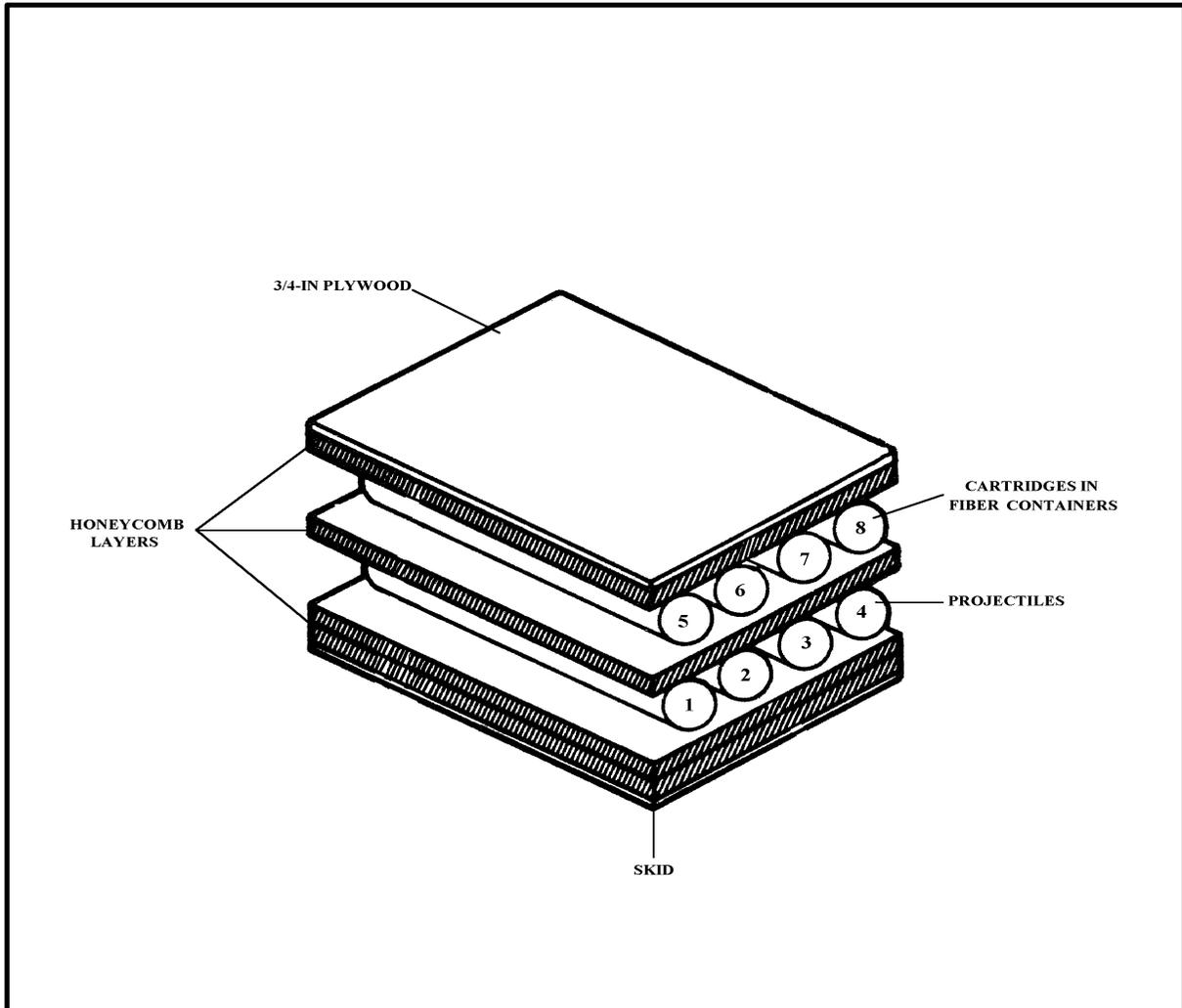
Cartridge, 90-mm, HEAT, M371, (DODAC 1315-C282)

Cartridge, 90-mm, Canister, APERS, M590, (DODAC 1315-C410)

*Figure 3-14. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*Figure 3-15. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-16.*

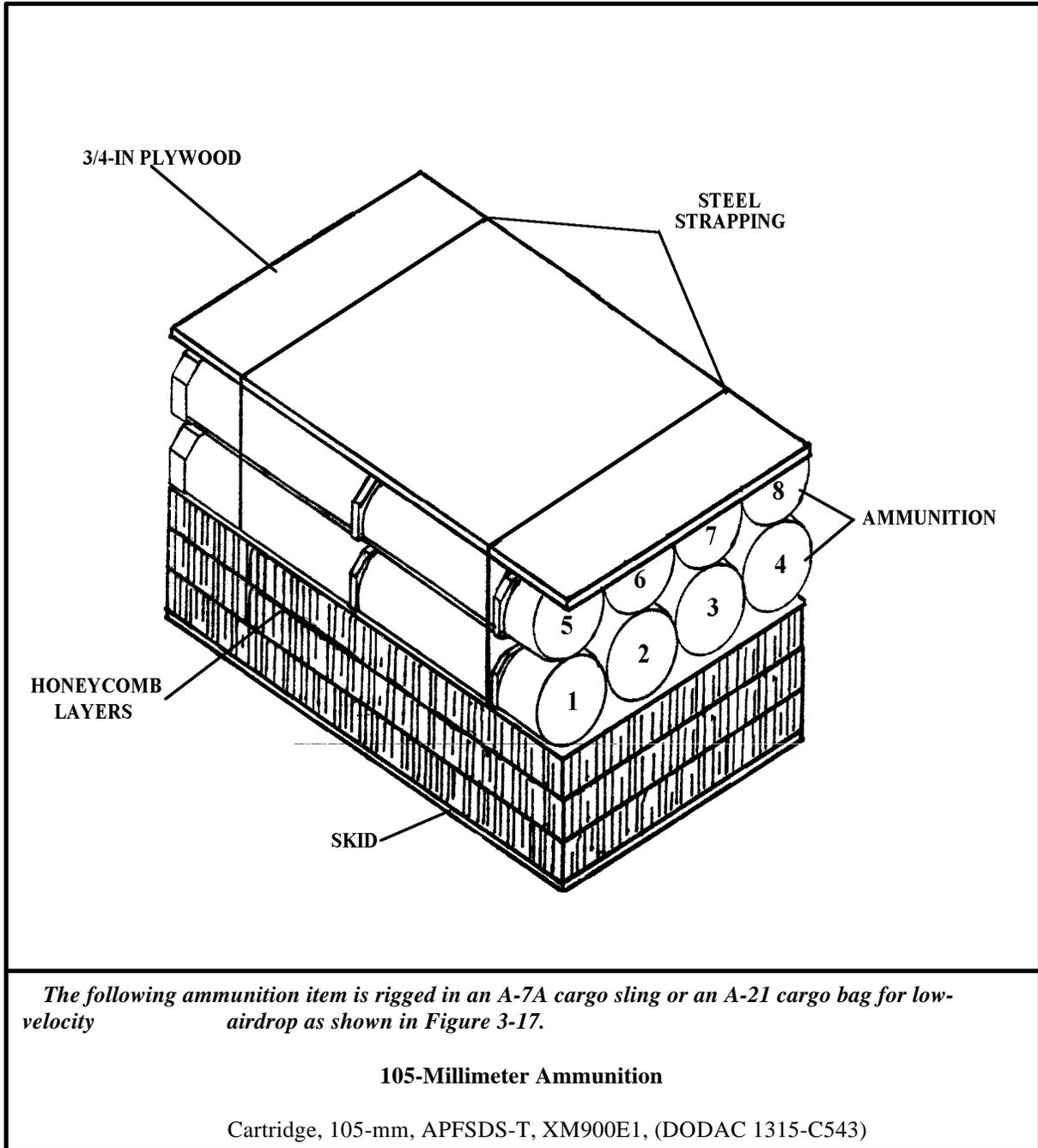
**105-Millimeter Ammunition  
(Rigged in Fiber Containers)**

- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODAC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODAC 1315-C511)

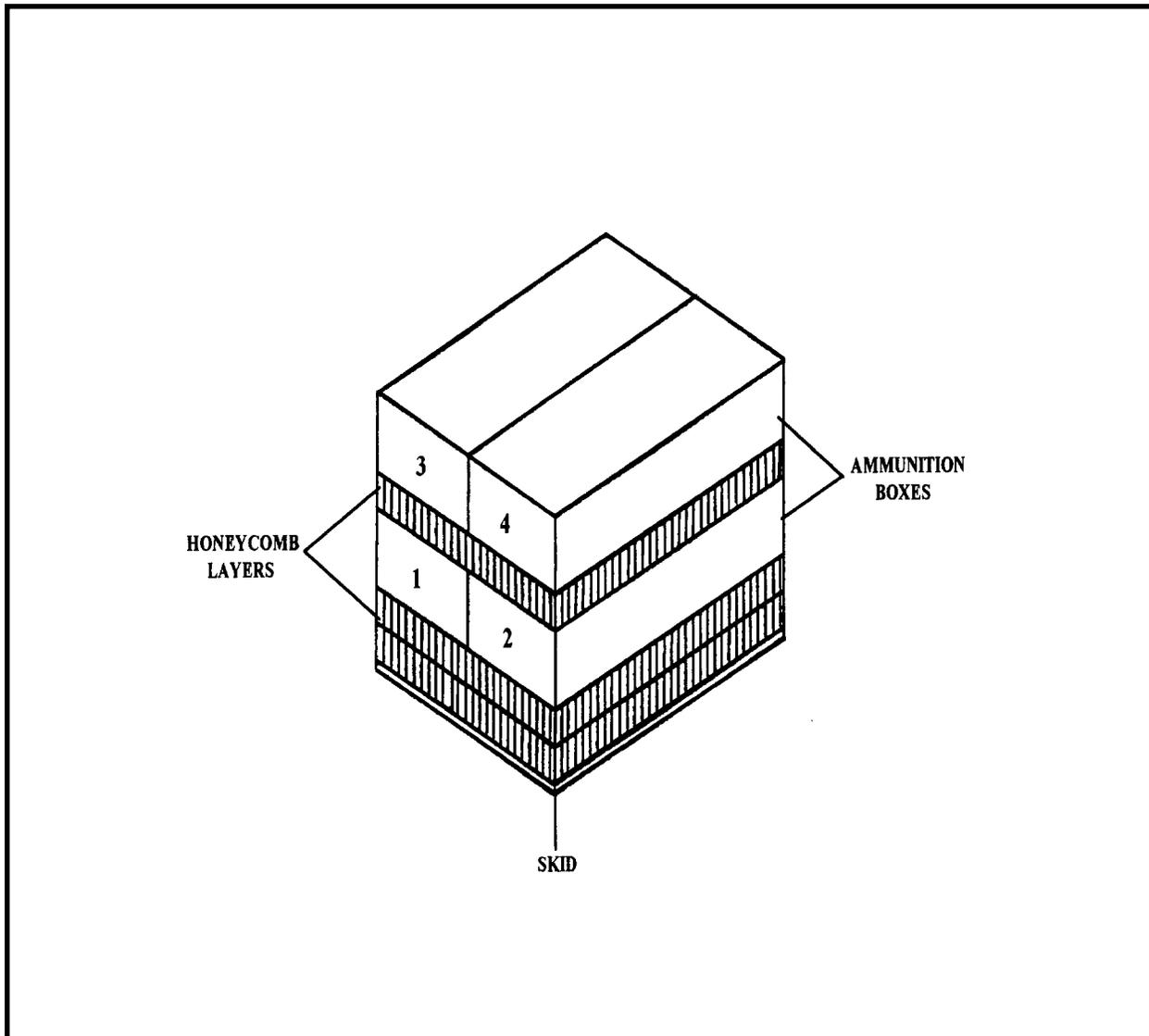
**152-Millimeter Ammunition  
(Rigged in Fiber Containers)**

- Cartridge, 152-mm, HEAT-MP, XM409E6, (DODAC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODAC 1320-D390)

*Figure 3-16. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*Figure 3-17. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

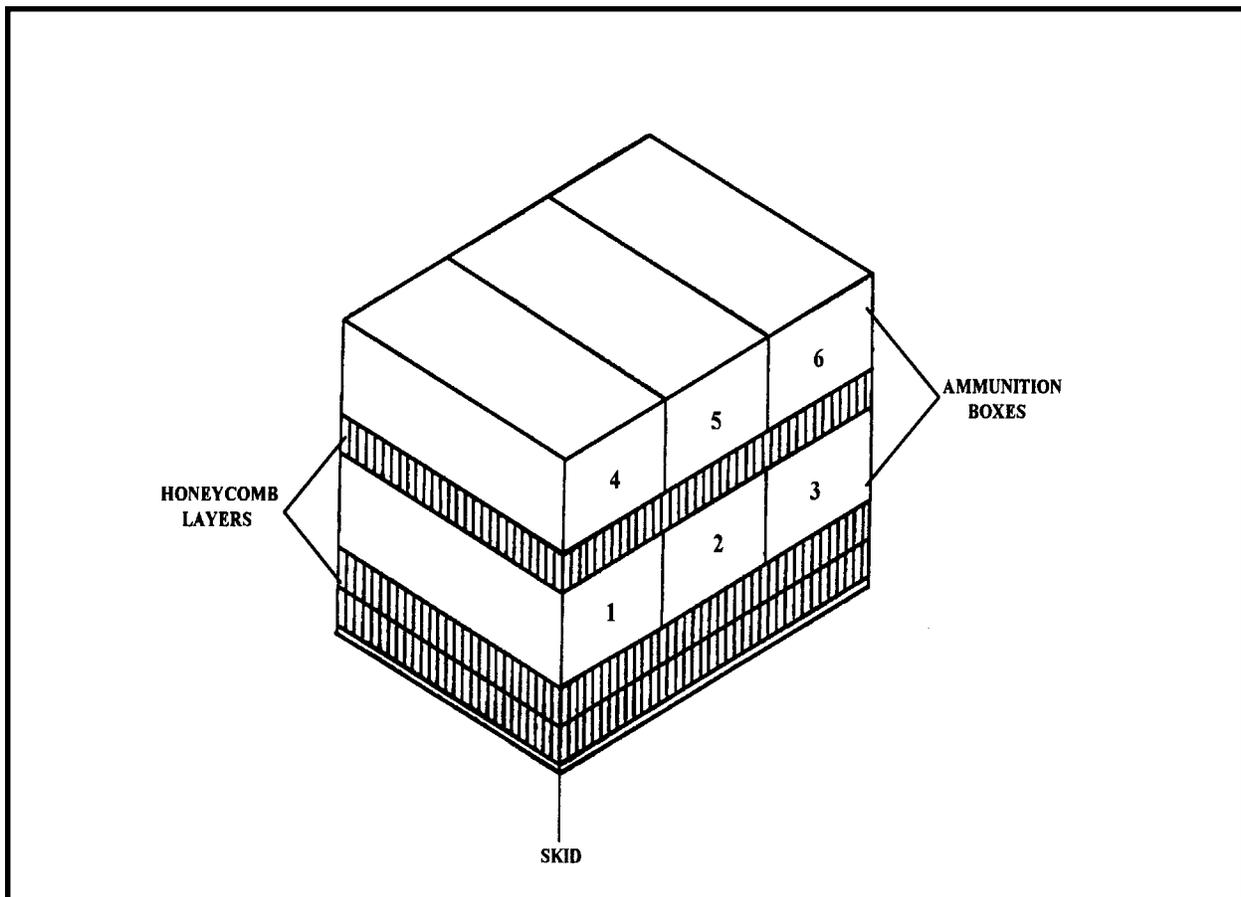


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-18.*

**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 M745 or M734A1 (DODAC 1315-C624)

*Figure 3-18. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

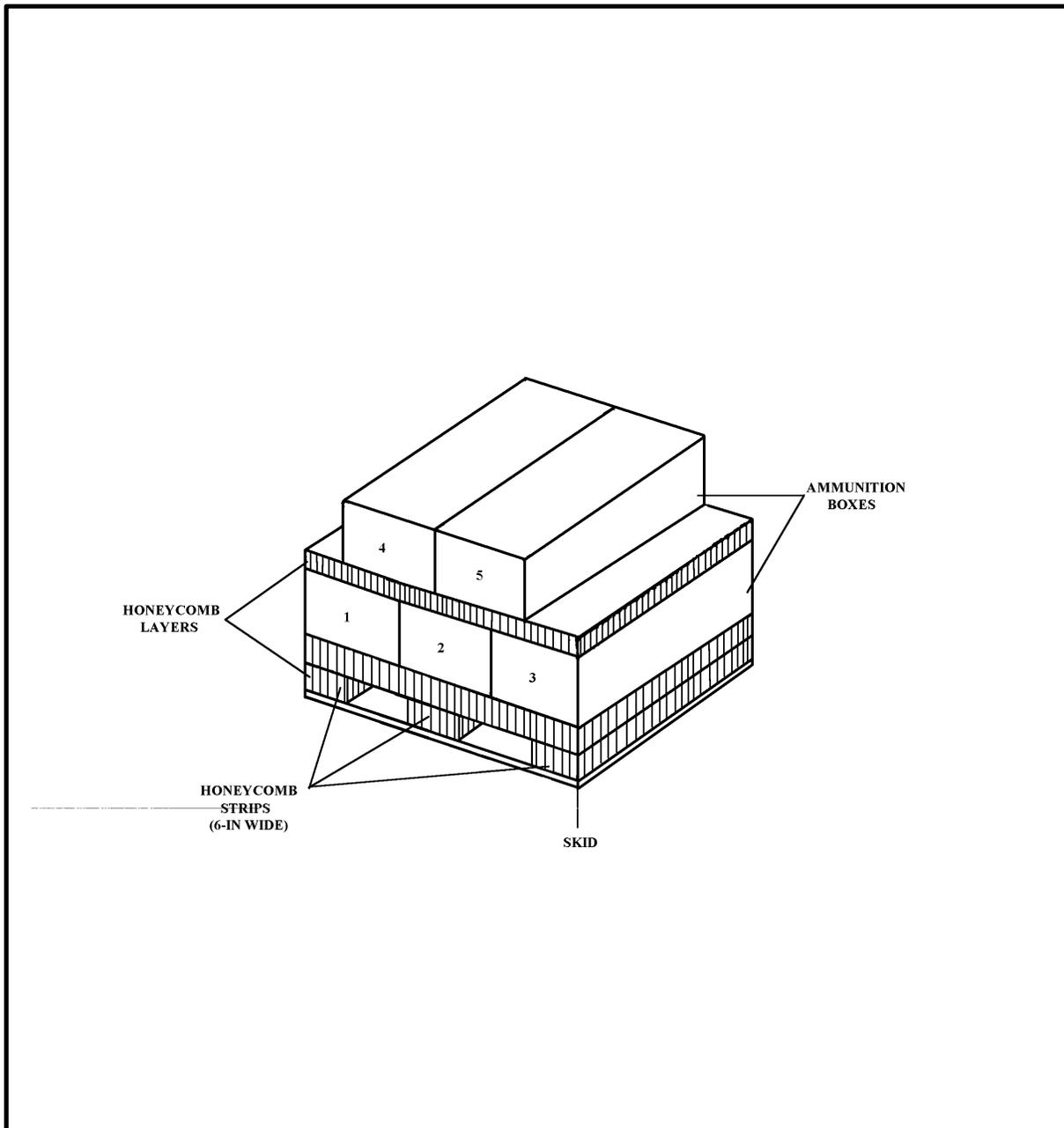


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-19.*

**4.2-Inch Ammunition**

Cartridge, 4.2-in, HE, w/o Fuze, (DODAC 1315-C697)

*Figure 3-19. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



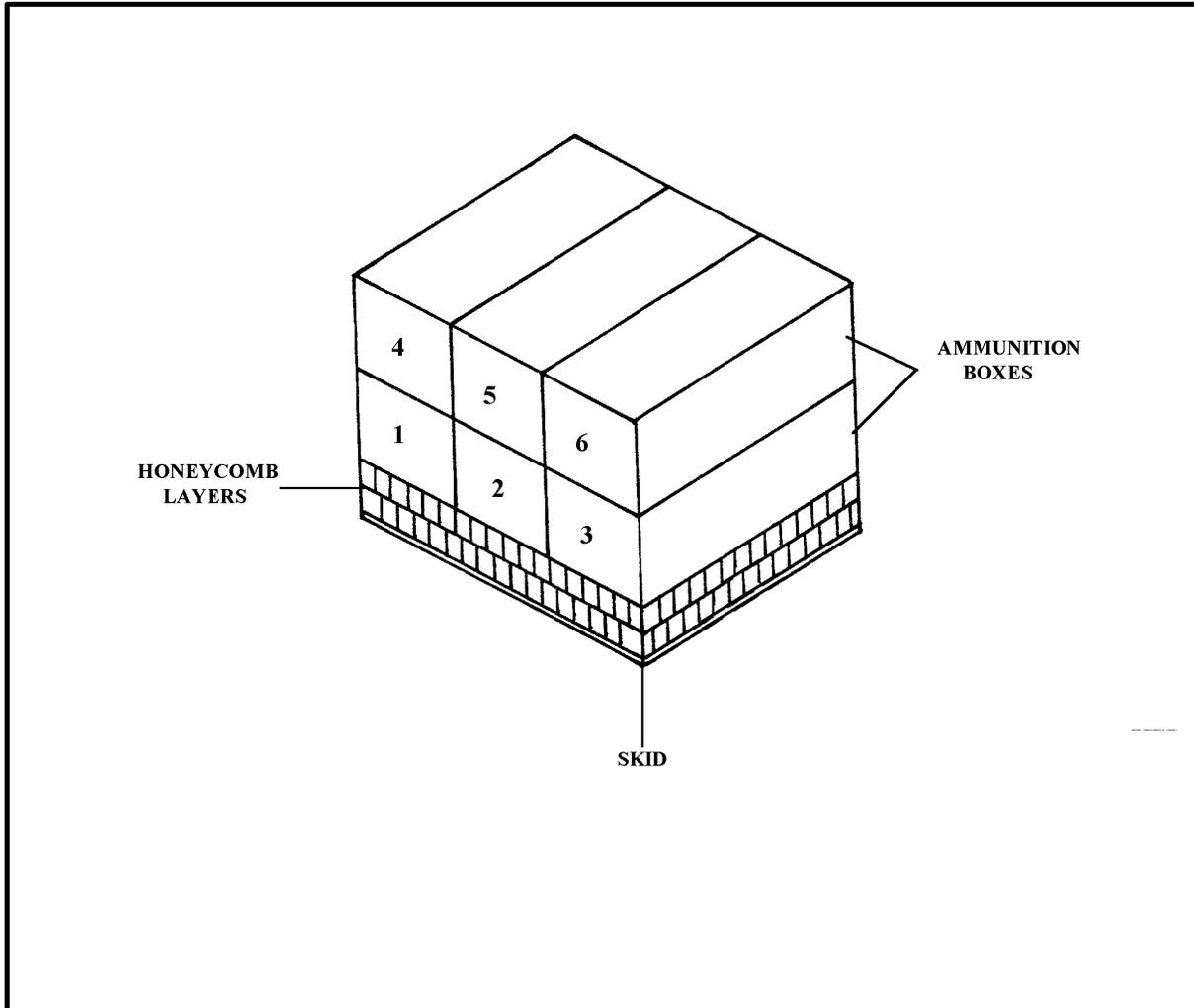
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-20.*

**120-Millimeter Ammunition**

Cartridge, 120-mm, HE, M57, (DODAC 1315-C788)

Cartridge, 120-mm, Illumination, M91, (DODAC 1315-C790)

*Figure 3-20. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-21.*

**152-Millimeter Ammunition**

Cartridge, 152-mm, TD-T, XM411E3, (DODAC 1320-D380)

**Demolition Items**

Charge, Demolition, Chain, M1, Eight 2 1/2-lb Telrytol Charge Strung on Detonating Cord, (DODAC 1375-M035)

Charge, Demolition, Block, M2, (DODAC 1375-M036)

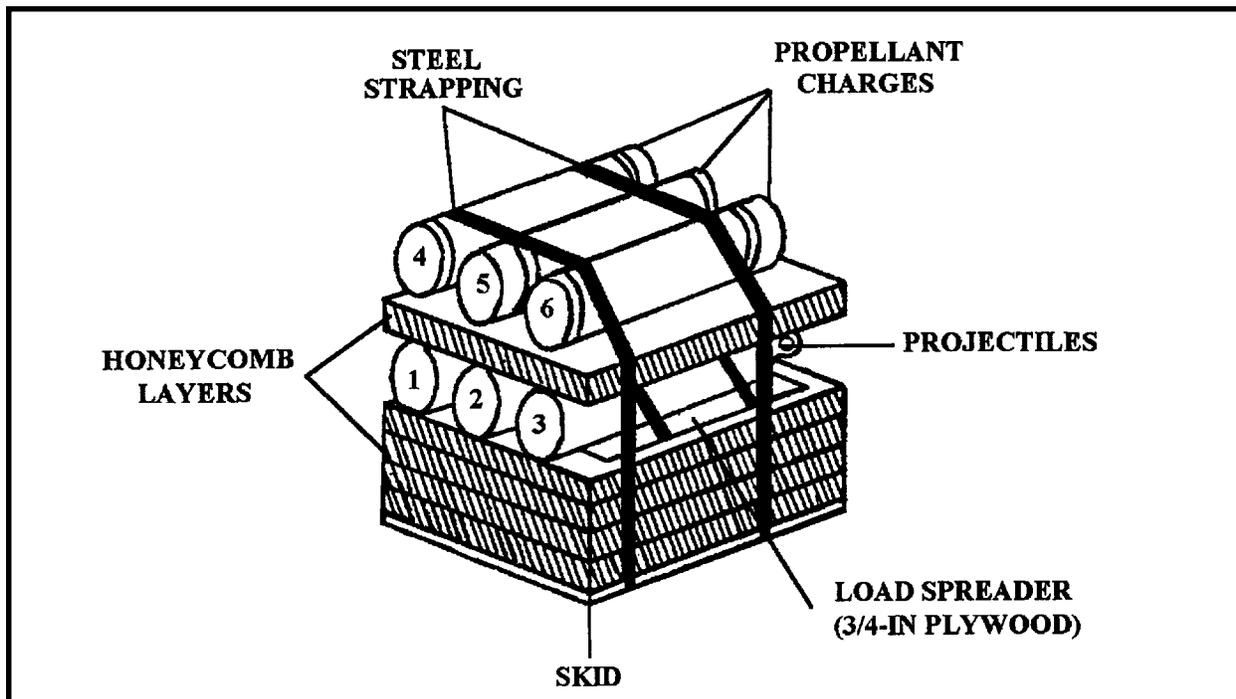
Charge, Demolition, Block, M541, (DODAC 1375-M038)

Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODAC 1375-M420)

Charge, Demolition, Shaped, 40-lb, M3, (DODAC 1375-M421)

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

*Figure 3-21. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-22.*

#### 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, 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)

*Figure 3-22. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

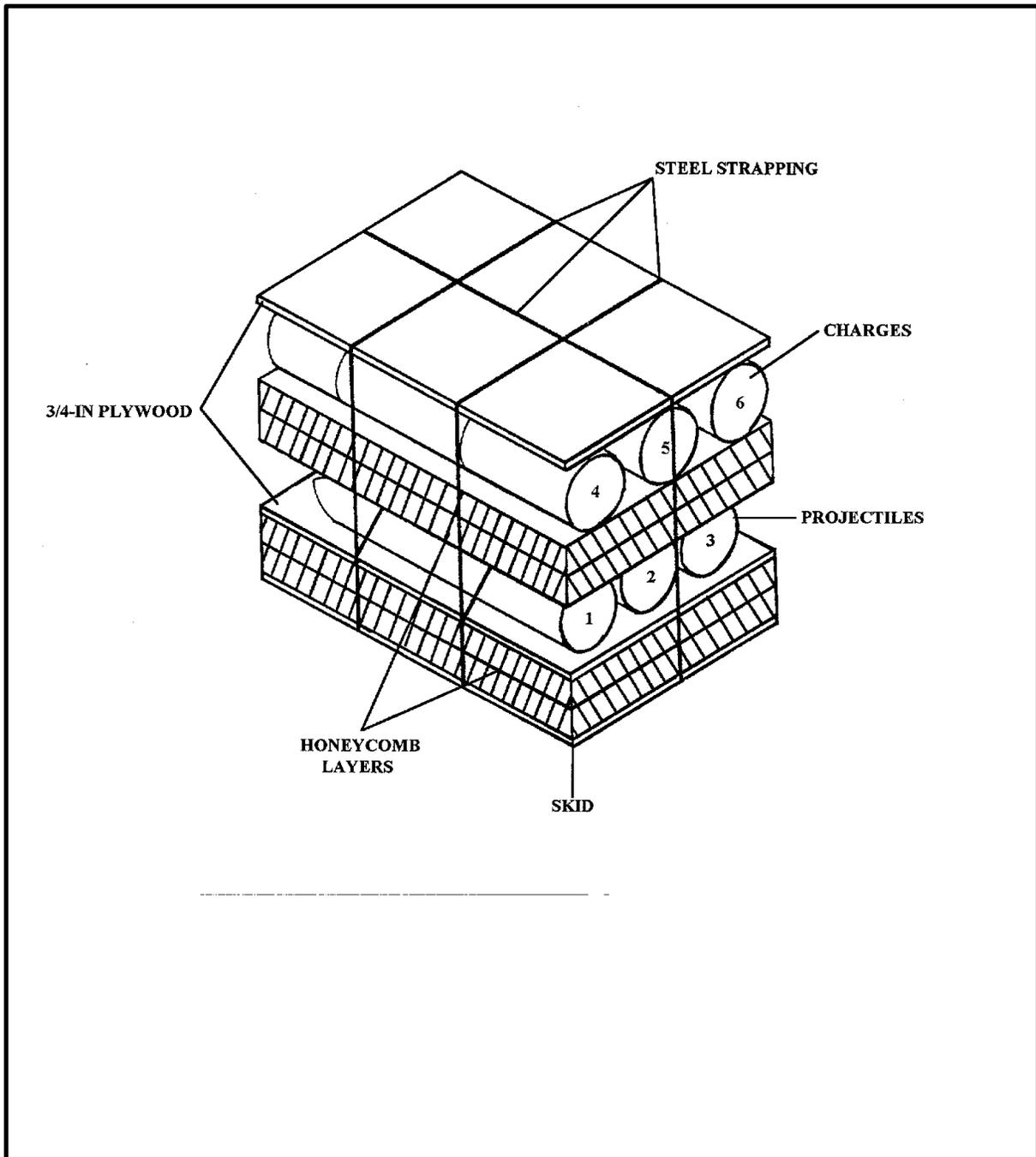
**155-Millimeter Ammunition**

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)  
Projectile, 155-mm, Smoke, WP, M825, (DODAC 1320-D528)  
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 3-22. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*

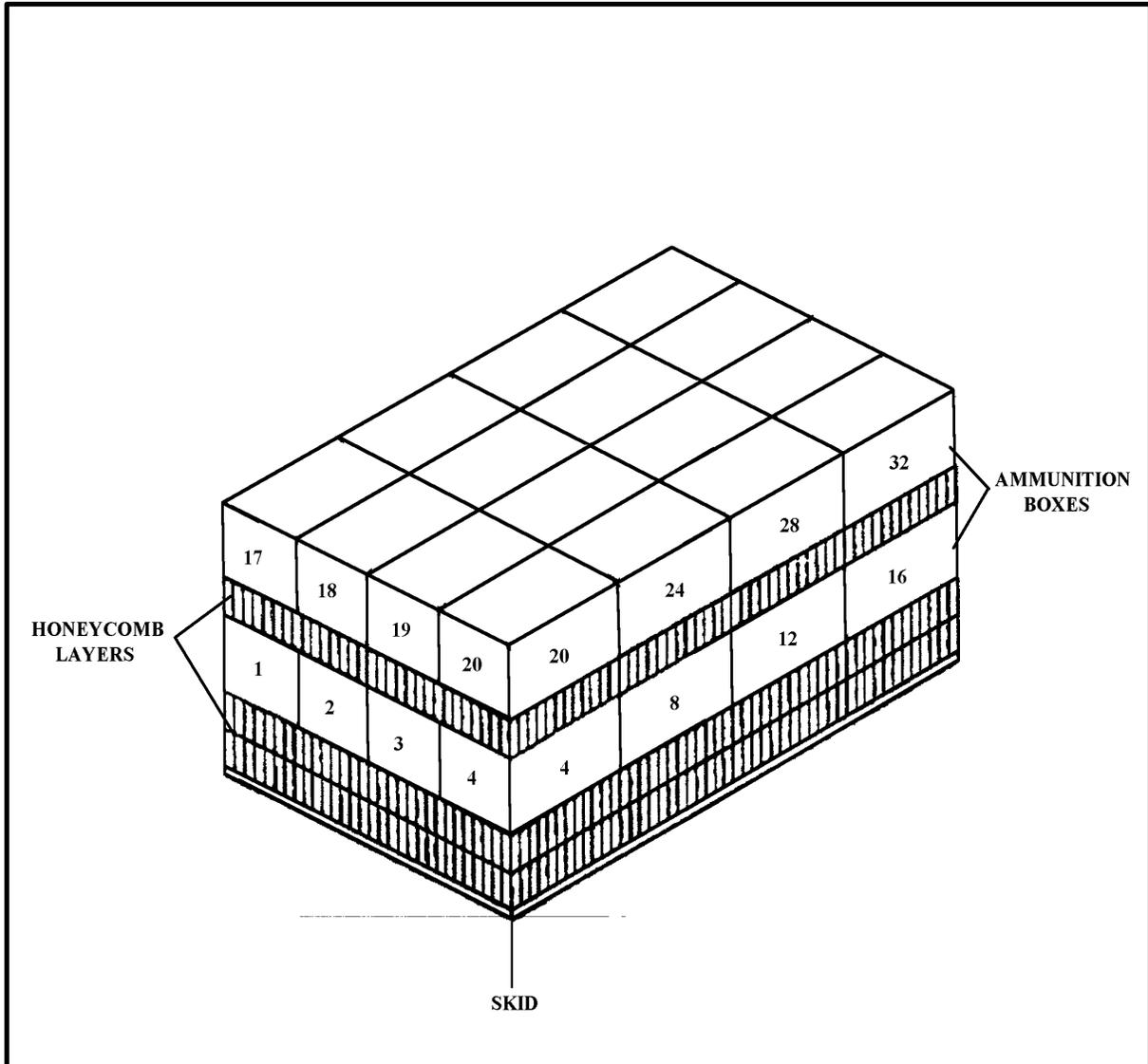


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-23.*

**155-Millimeter Ammunition**

Projectile, 155-mm, Smoke, WP, M825, (DODAC 1320-D528)

*Figure 3-23. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

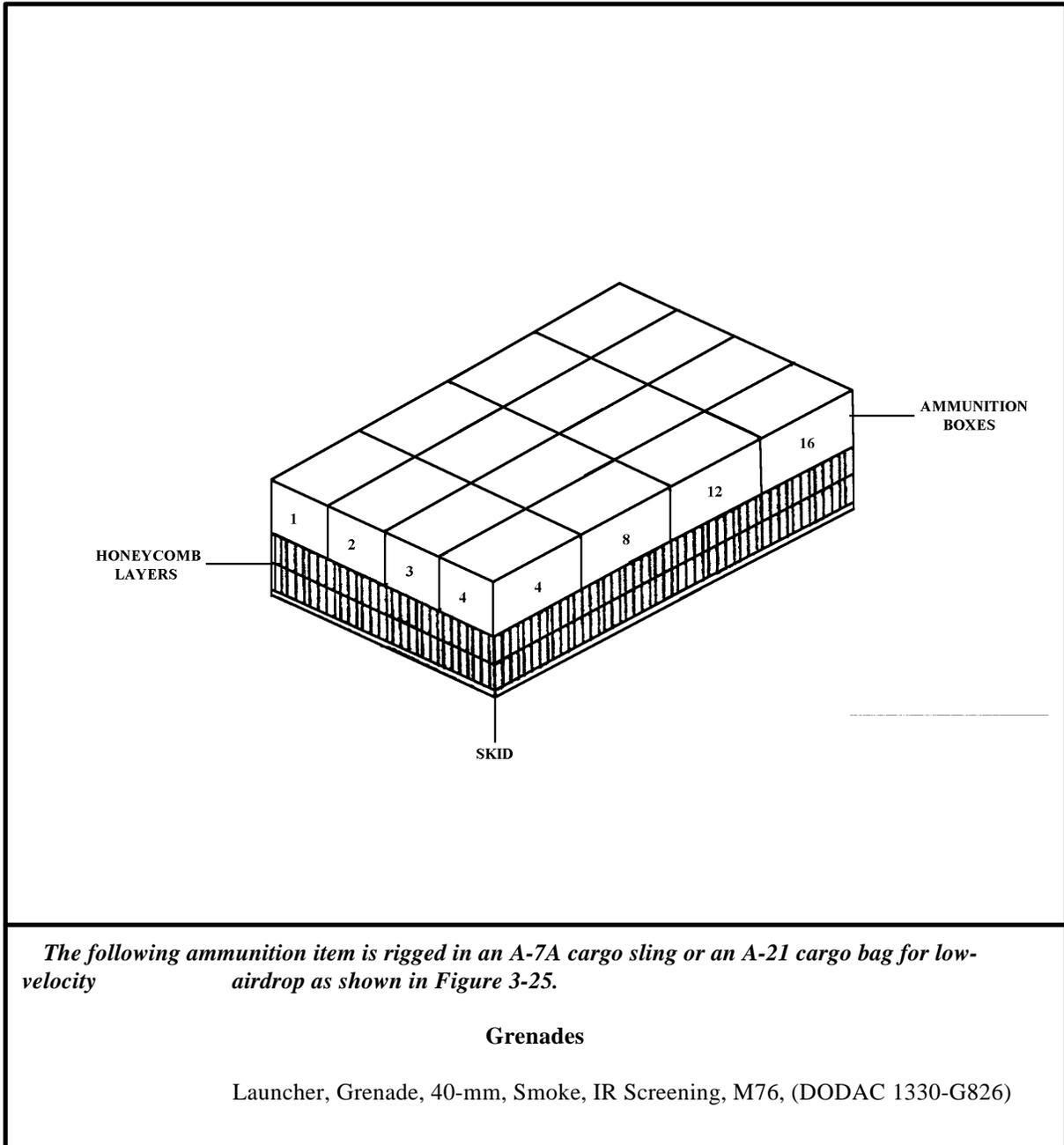


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-24.*

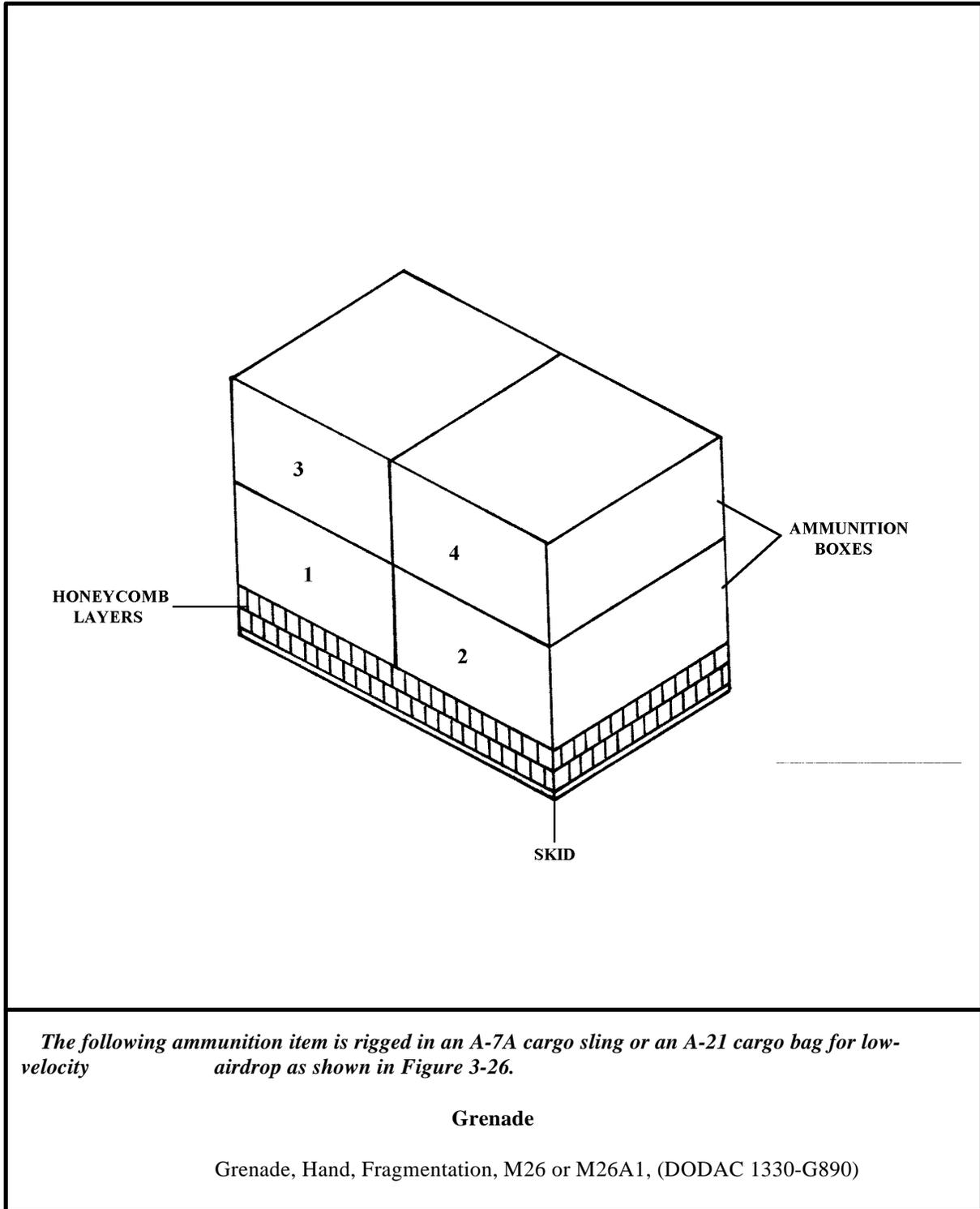
**Grenades**

Grenade, 40-mm, Smoke, Screening, L8A3, (DODAC 1340-G815)

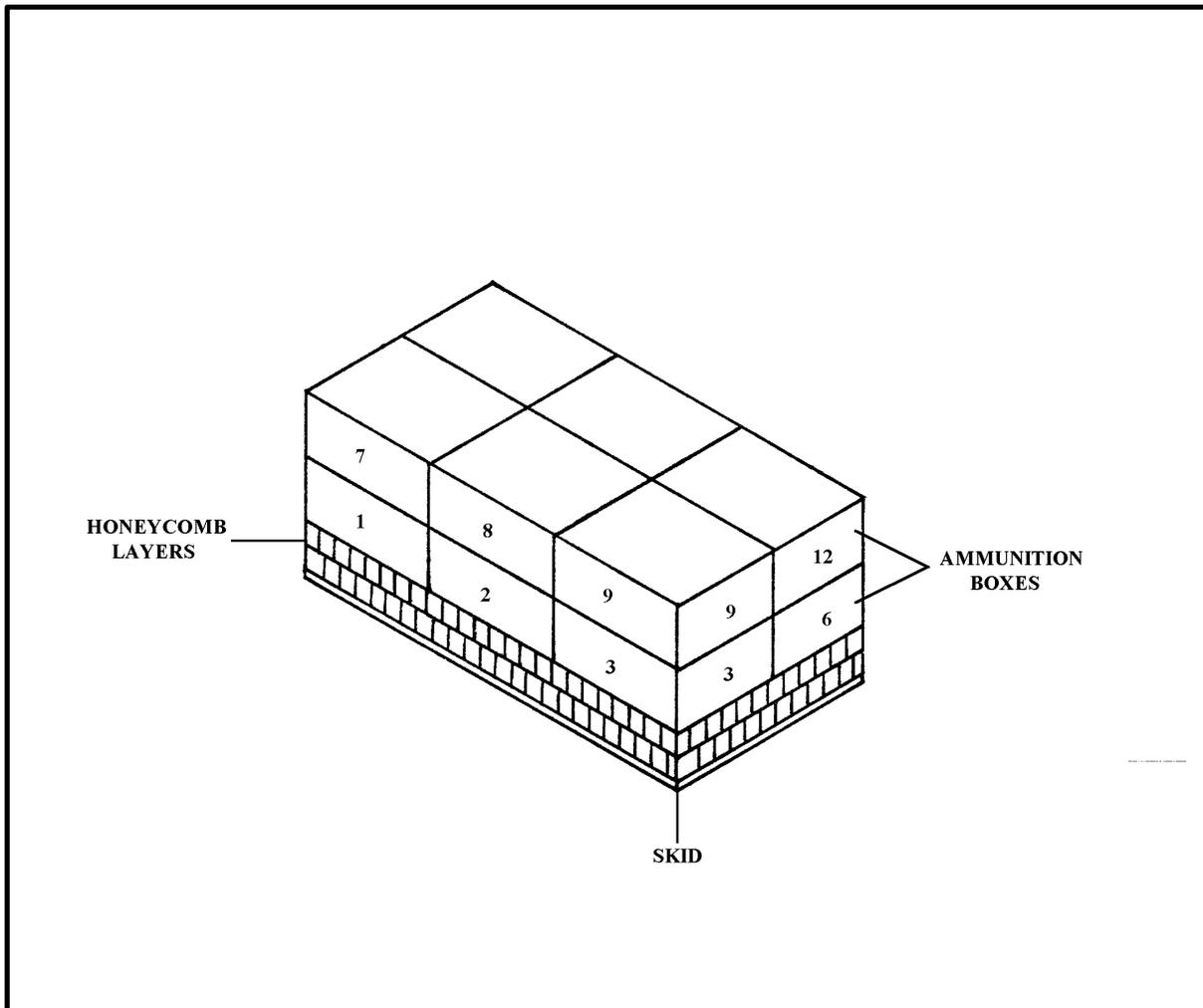
*Figure 3-24. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*Figure 3-25. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*Figure 3-26. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-27.*

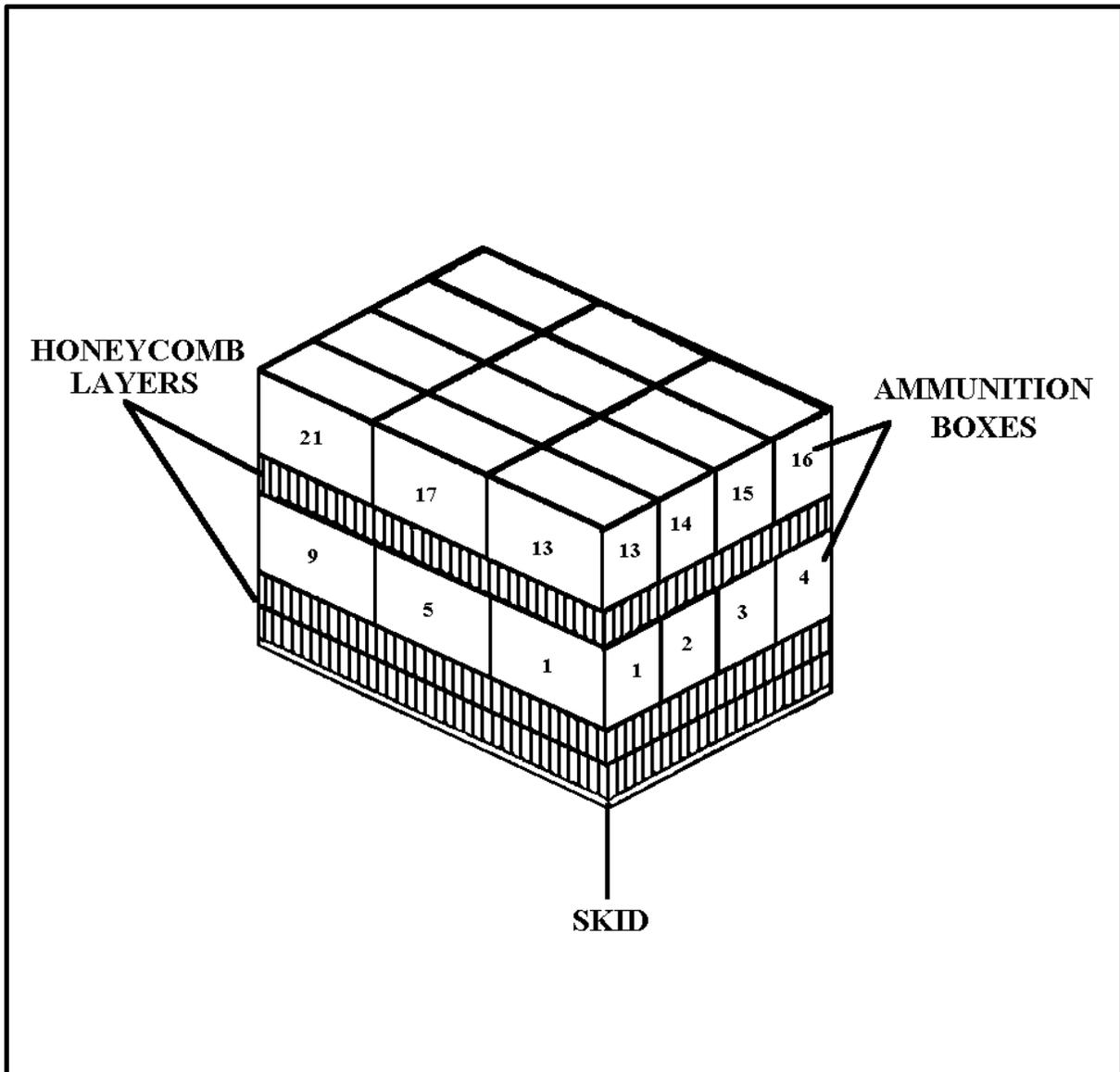
**Grenades**

- Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze, (DODAC 1330-G930)
- Grenade, Hand, Green Smoke, M18 with Fuze, (DODAC 1330-G940)
- Grenade, Hand, Yellow Smoke, M18 with Fuze, (DODAC 1330-G945)
- Grenade, Hand, Red Smoke, M18 with Fuze, (DODAC 1330-G950)
- Grenade, Hand, Violet Smoke, M18 with Fuze, M201A1, (DODAC 1330-G955)
- Grenade, Hand, Riot Control, M7A3 with Fuze, (DODAC 1330-G963)

**Primer**

- Primer, Percussion, MK2A4, (DODAC 1390-N525)

*Figure 3-27. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

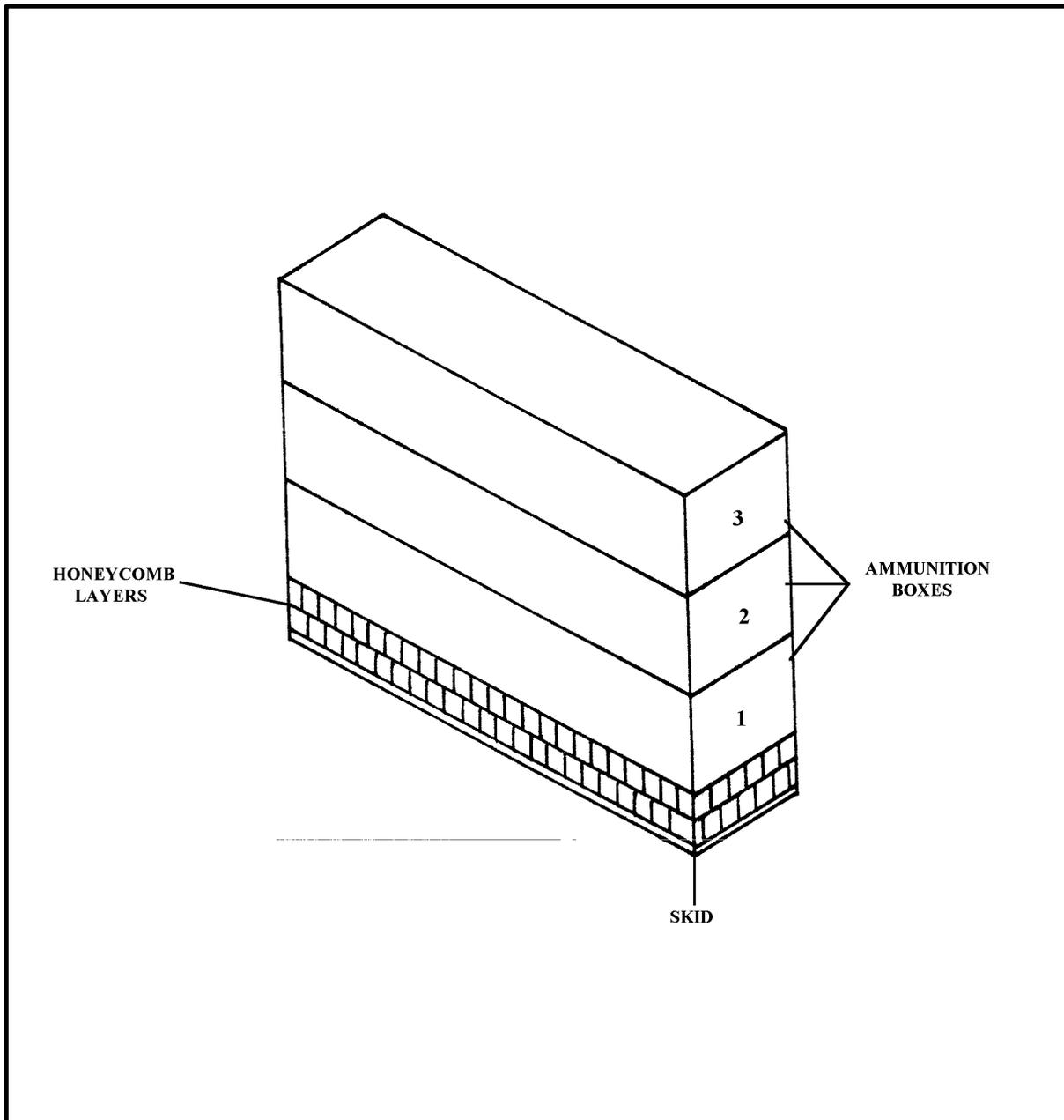


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-28.*

**Grenades**

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

*Figure 3-28. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-29.*

**Mine**

Mine, AT, HE, M19, (DODAC 1345-K250)

*Figure 3-29. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

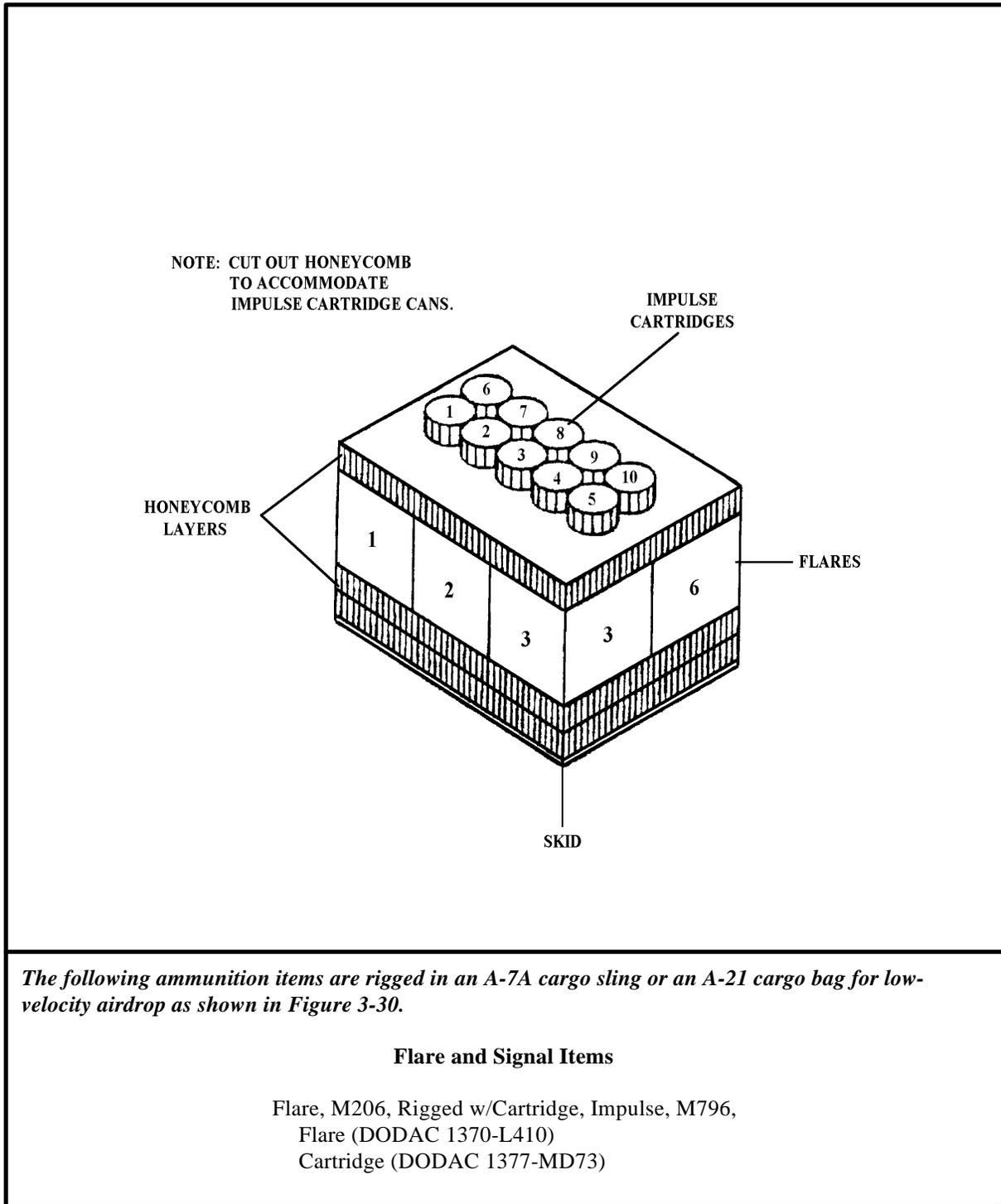
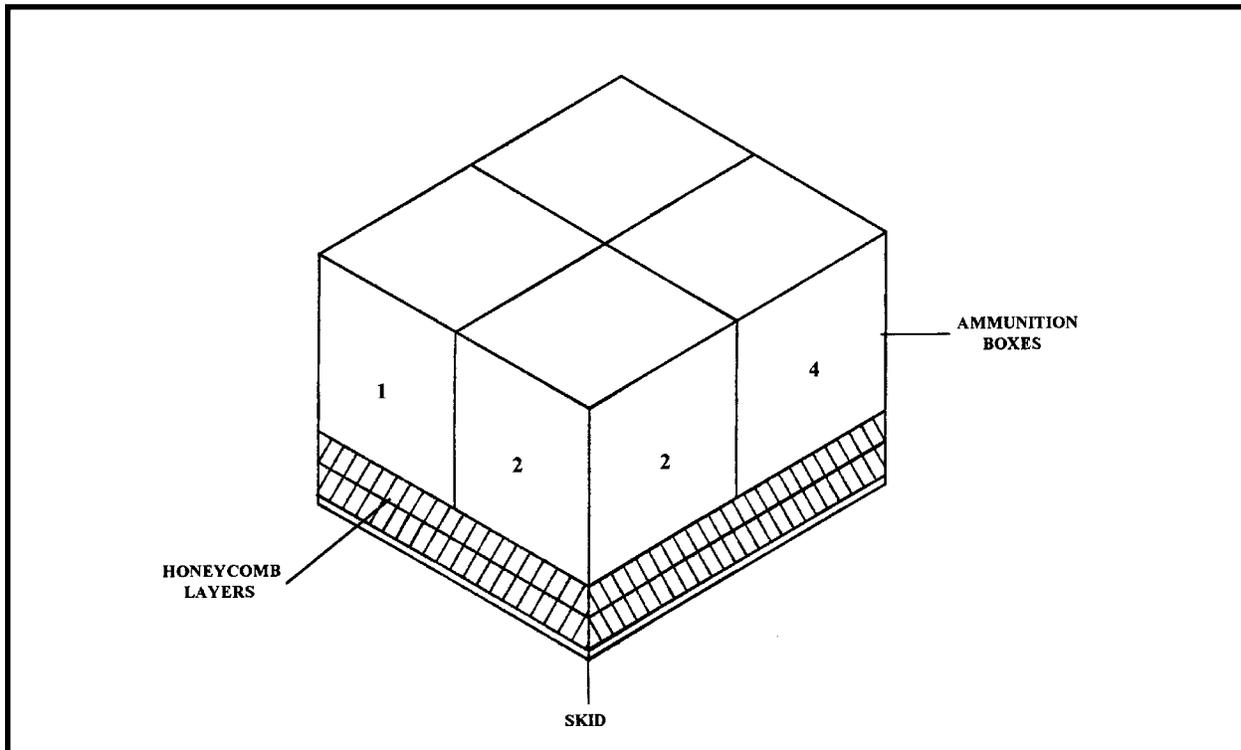


Figure 3-30. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-31.*

**5.56-Millimeter Ammunition**

Cartridge, 5.56-mm, Ball and Tracer, M856 Linked, (DODAC 1310-A064)

**60-Millimeter Ammunition**

Cartridge, 60-mm, HE, M720, (DODAC 1310-B642)

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

Cartridge, 60-mm, Smoke, WP, M722, (DODAC 1310-B646)

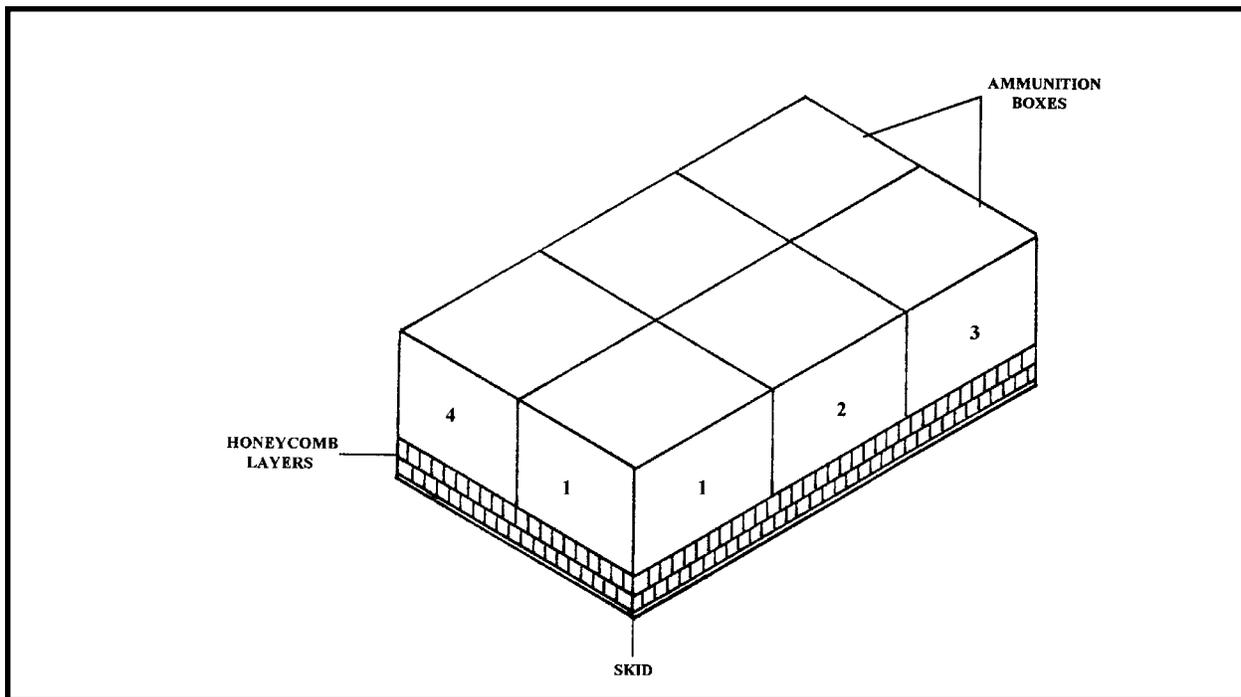
Cartridge, 60-mm, Illuminating, M721, (DODAC 1310-B647)

Cartridge, 60-mm, Infrared, Illuminating, M767, (DODAC 1310-BA04)

**Demolition Item**

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

*Figure 3-31. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-32.*

**Note:** Dropping these items as a single item load may not be practical; however, they can be contained in an A-7A cargo sling with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-7A cargo sling are determined by the dimensions and weight of the individual ammunition container.

#### Fuzes

##### Caution

When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes should not be used.

- Fuze, MT, M565, (DODAC 1390-N248)
- Fuze, MTSQ, M500 or M500A1, (DODAC 1390-N275)
- Fuze, MTSQ, M500 or M500A1, (DODAC 1390-N276)
- Fuze, MT, M564, (DODAC 1390-N278)
- Fuze, MTSQ, M520, (DODAC 1390-N280)
- Fuze, MTSQ, M577, (DODAC 1390-N285)

*Figure 3-32. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

**Fuzes**

Fuze, MTSQ, M582A1, (DODAC 1390-N286)  
Fuze, Electronic Time, M762, (DODAC 1390-N289)  
Fuze, Electronic Time, M767, (DODAC 1390-N290)  
Fuze, PD, M572, (DODAC 1390-N311)  
Fuze, PD, M48A3, (DODAC 1390-N318)  
Fuze, PD, M535, (DODAC 1390-N323)  
Fuze, PD, M557, (DODAC 1390-N335)  
Fuze, PD, M739, (DODAC 1390-N340)  
Fuze, Proximity, M532, (DODAC 1390-N402)  
Fuze, Proximity, M514, M514A1, or M514B1, (DODAC 1390-N411)  
Fuze, Proximity, M513A1 or M513B1, (DODAC 1390-N412)  
Fuze, Proximity, M517, (DODAC 1390-N417)  
Fuze, Proximity, M728, (DODAC 1390-N463)  
Fuze, Proximity, M514A1, (DODAC 1390-N477)

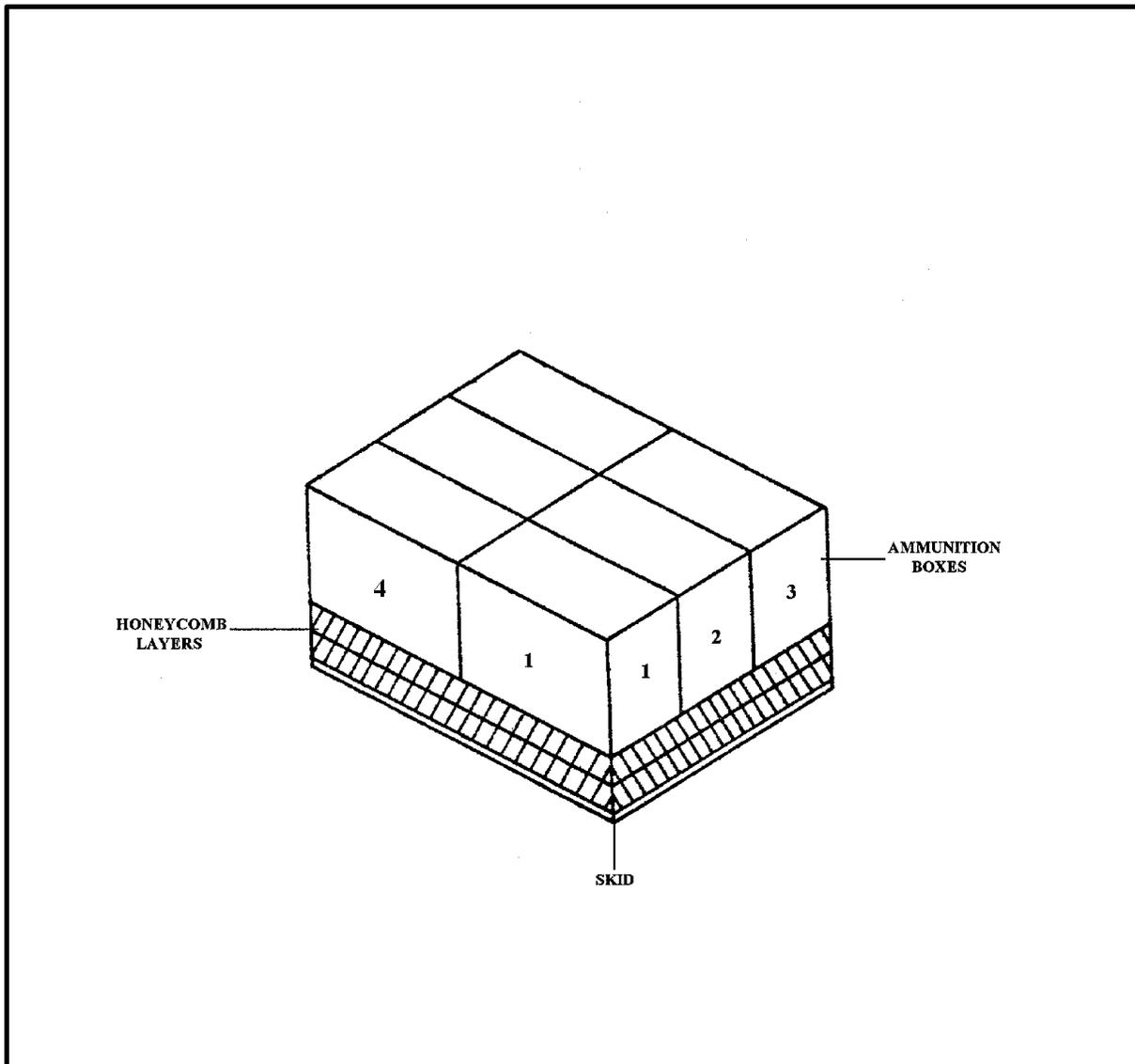
**9-Millimeter Ammunition**

Cartridge, 9-mm, Ball, M882, (DODAC 1305-A363)

**25.4-Millimeter Ammunition**

Cartridge, 25.4-mm, Decoy, M839, (DODAC 1305-A965)

*Figure 3-32. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.*

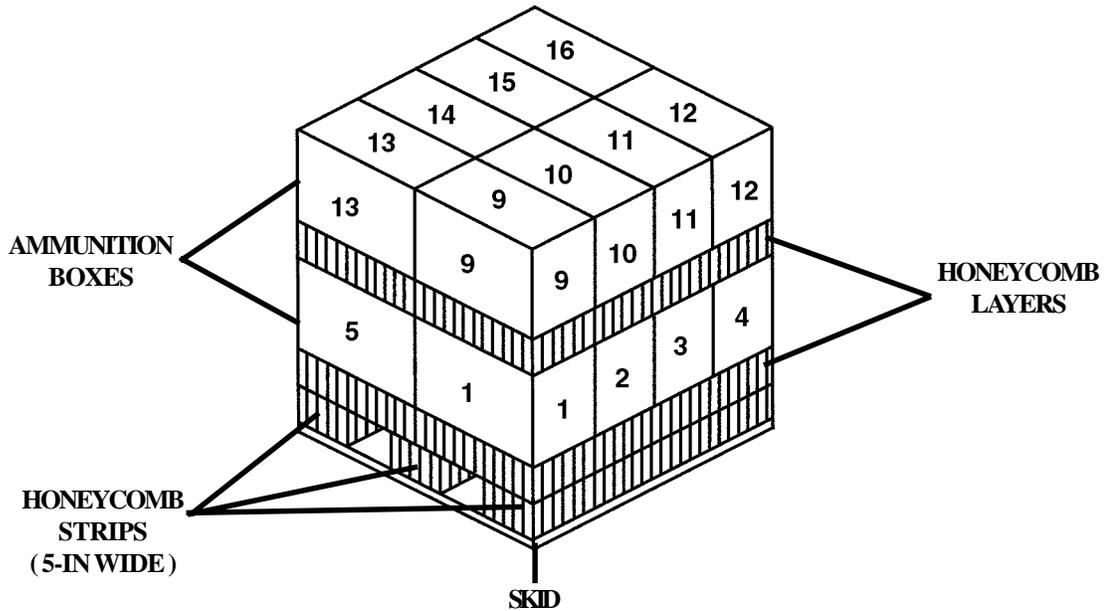
**Signal Items**

Signal, Underwater Sound, MK61, Mod 0, (NALC SW08)  
Signal, Underwater Sound, MK82, Mod 0, (NALC SW32)

**Demolition Item**

Charge, Demolition, Block, 55-lb, (DODAC 1375-M040)

*Figure 3-33. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

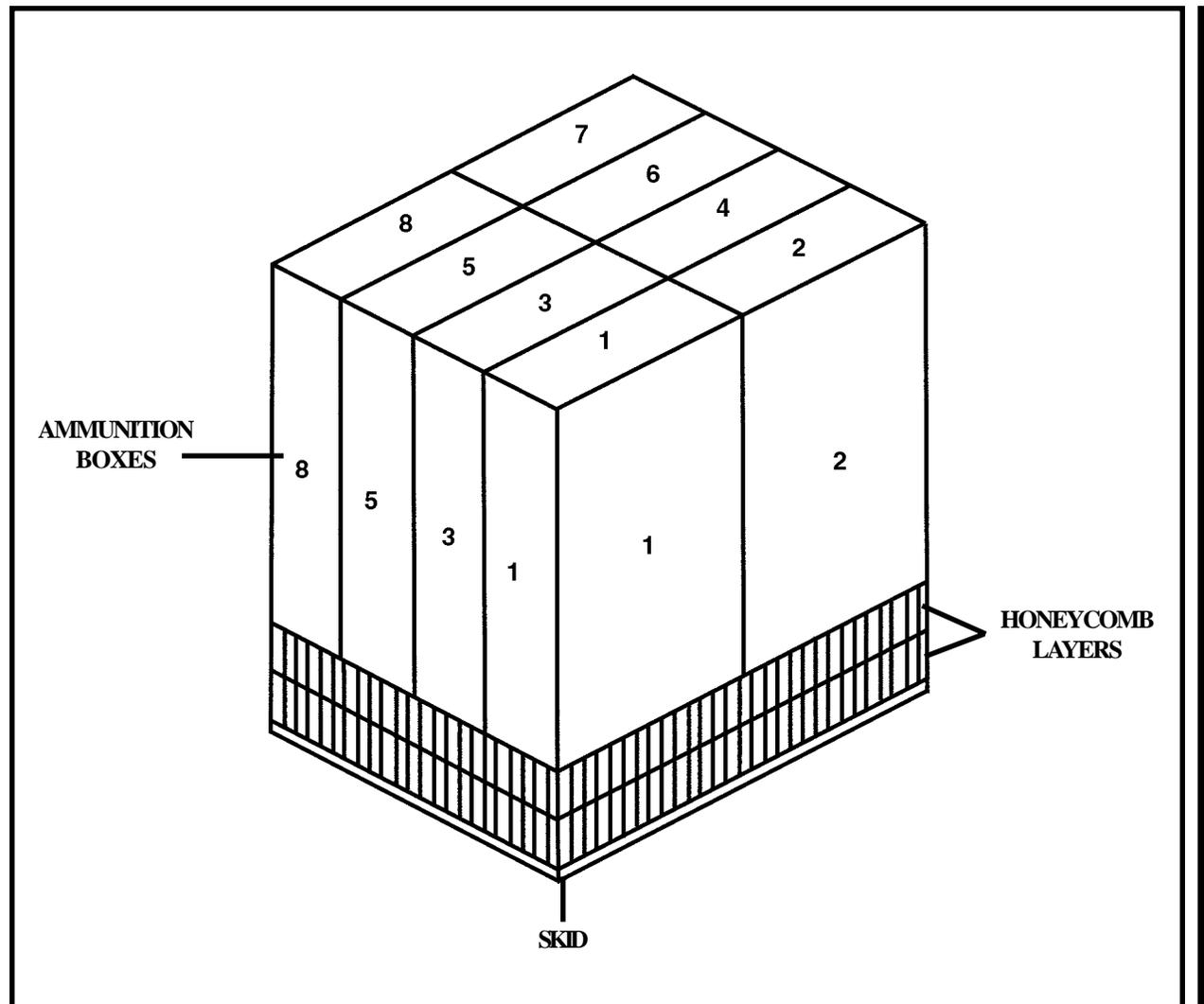


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.1.*

**155-Millimeter Ammunition**

Fuze, Delay, Mod 1, PD, Mk399, (DODAC 1390-N659)

*Figure 3-33.1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



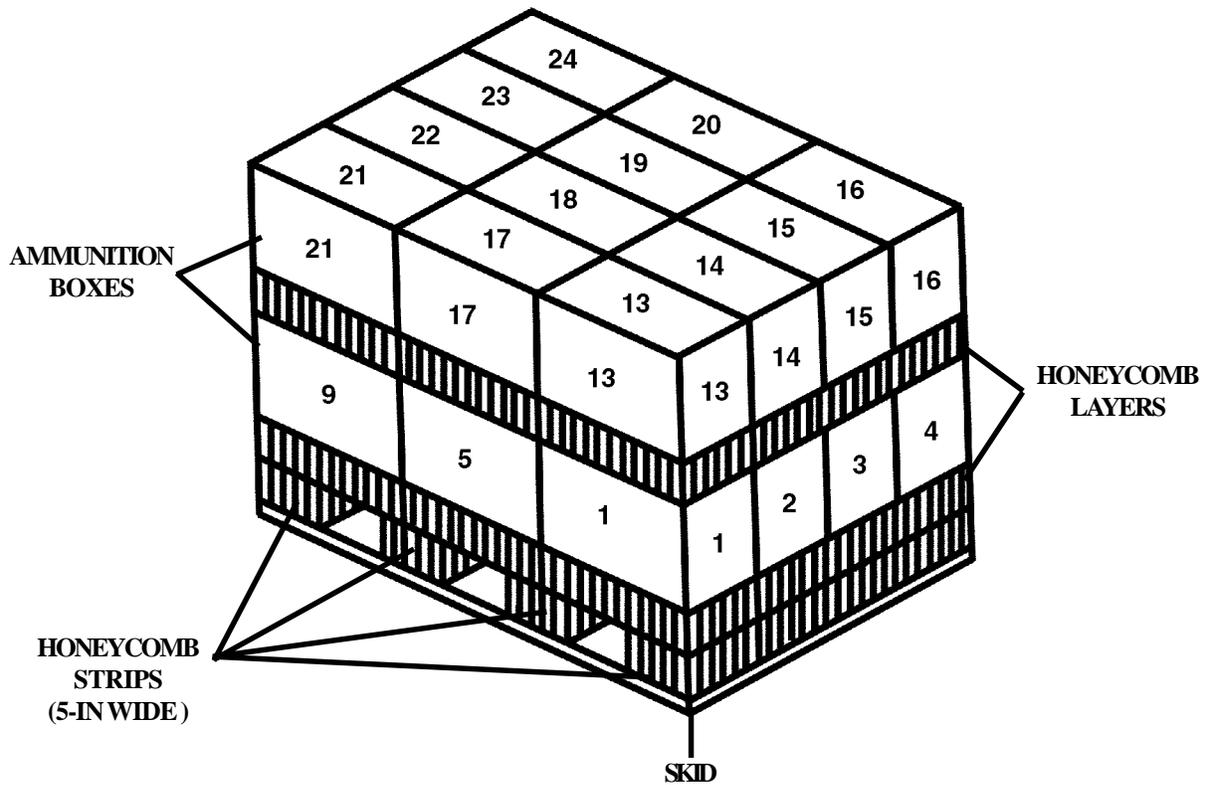
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.2.*

**81-Millimeter Ammunition**

Cartridge, 81-mm, HE, M821A1, with Fuze M734A1, (DODAC 1315-C868)

Cartridge, 81-mm, HE, M889A1, (DODAC 1315-C869)

*Figure 3-33.2. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

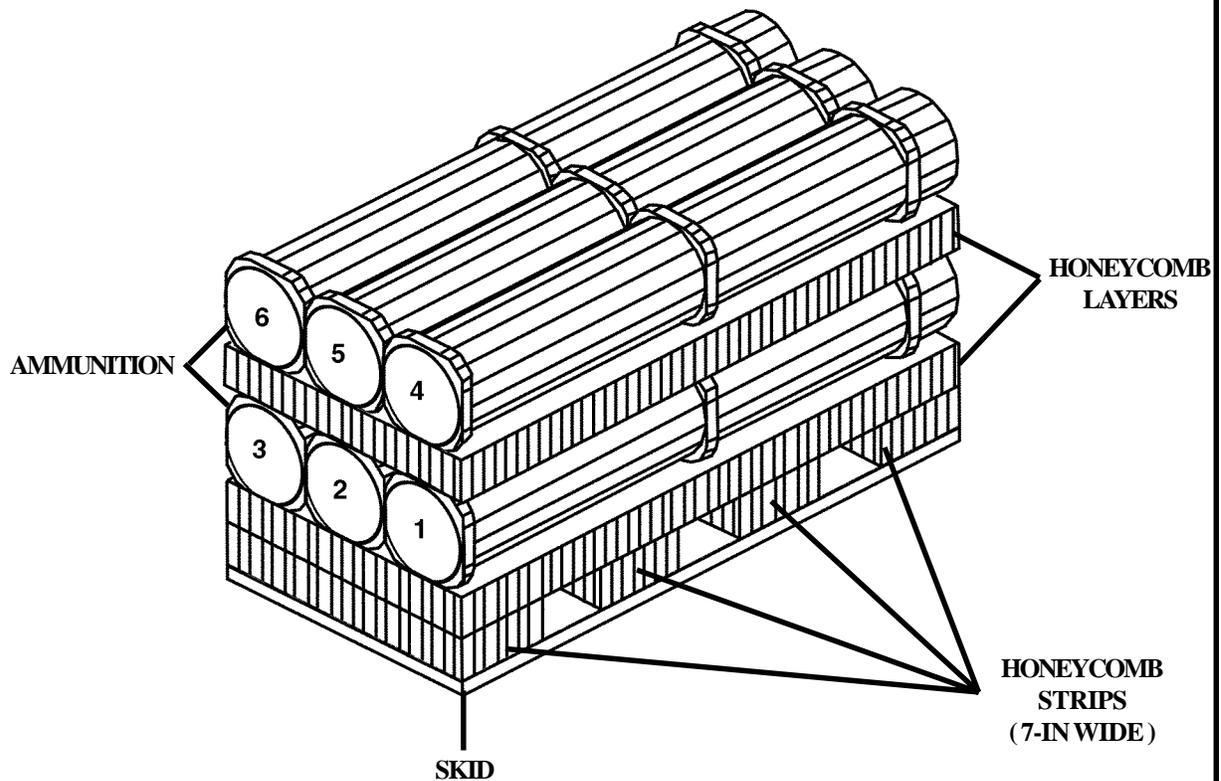


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.3.*

**Grenades**

Launcher, Grenade, Smoke, Screening, TA, M90, (DODAC 1315-C868)

*Figure 3-33.3. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

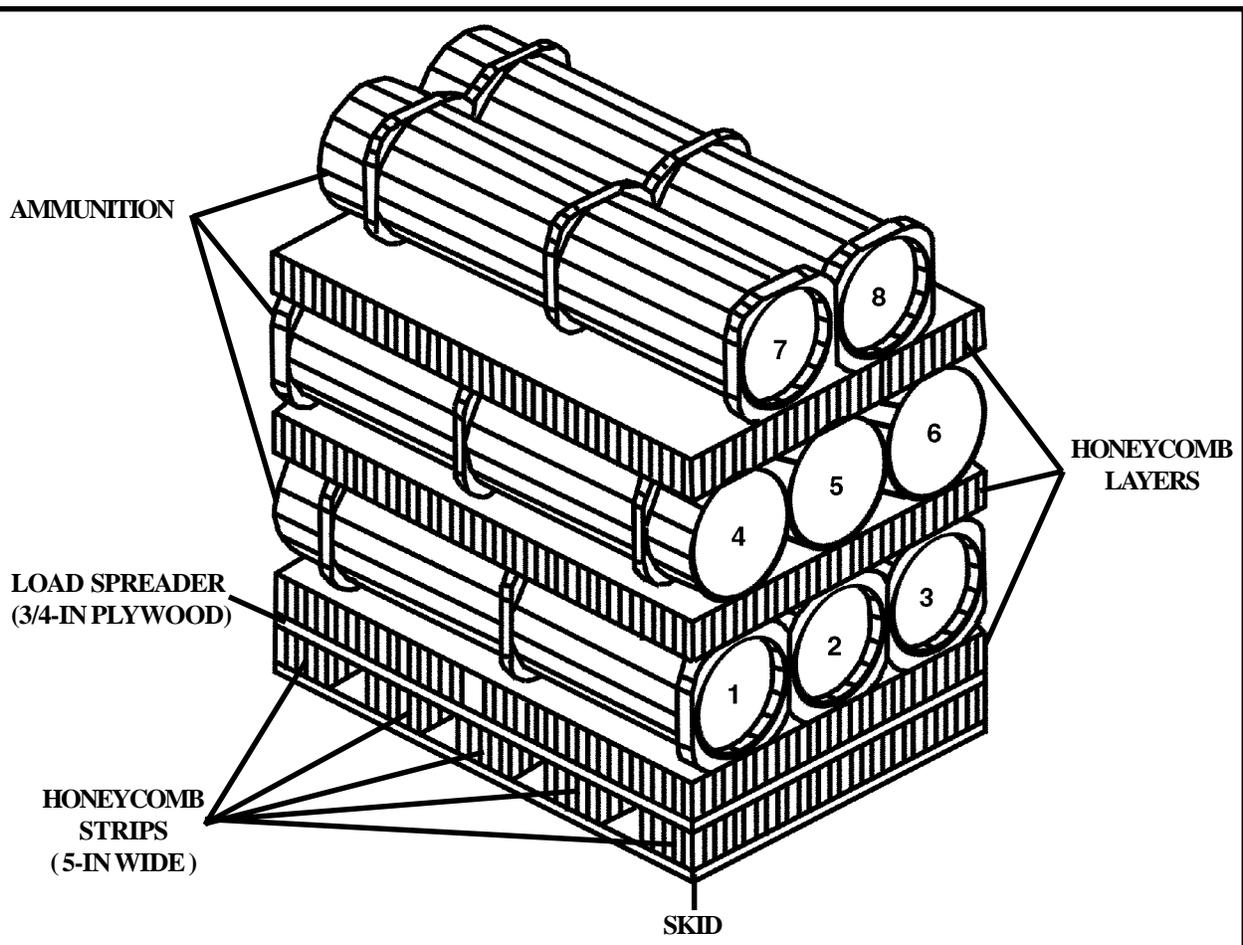


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.4.*

**105-Millimeter Ammunition**

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

*Figure 3-33.4. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

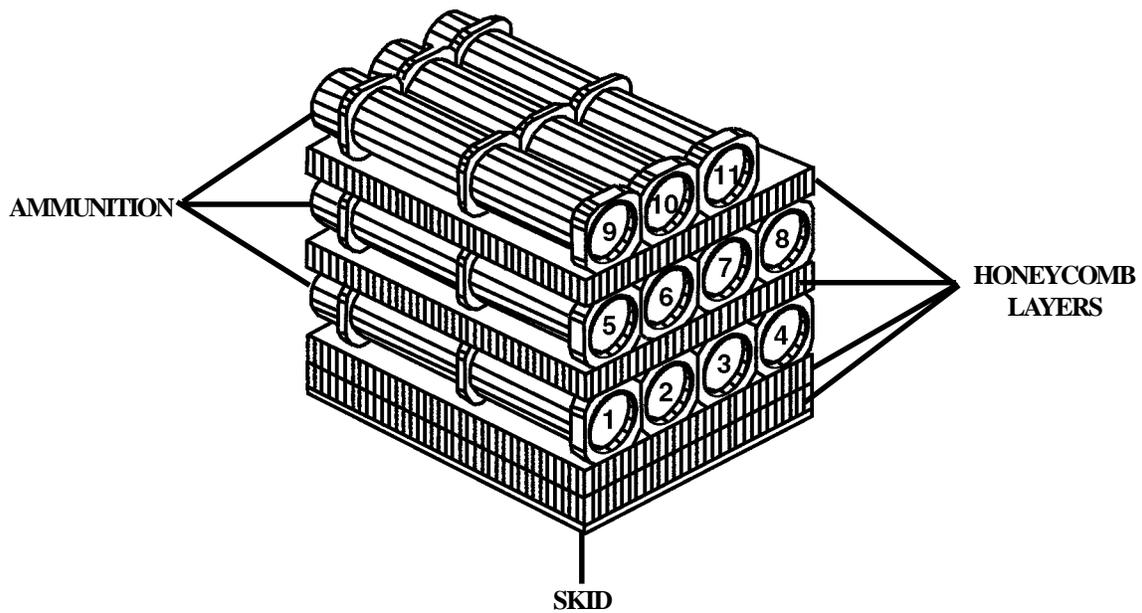


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.5.*

**Rockets**

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

*Figure 3-33.5. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

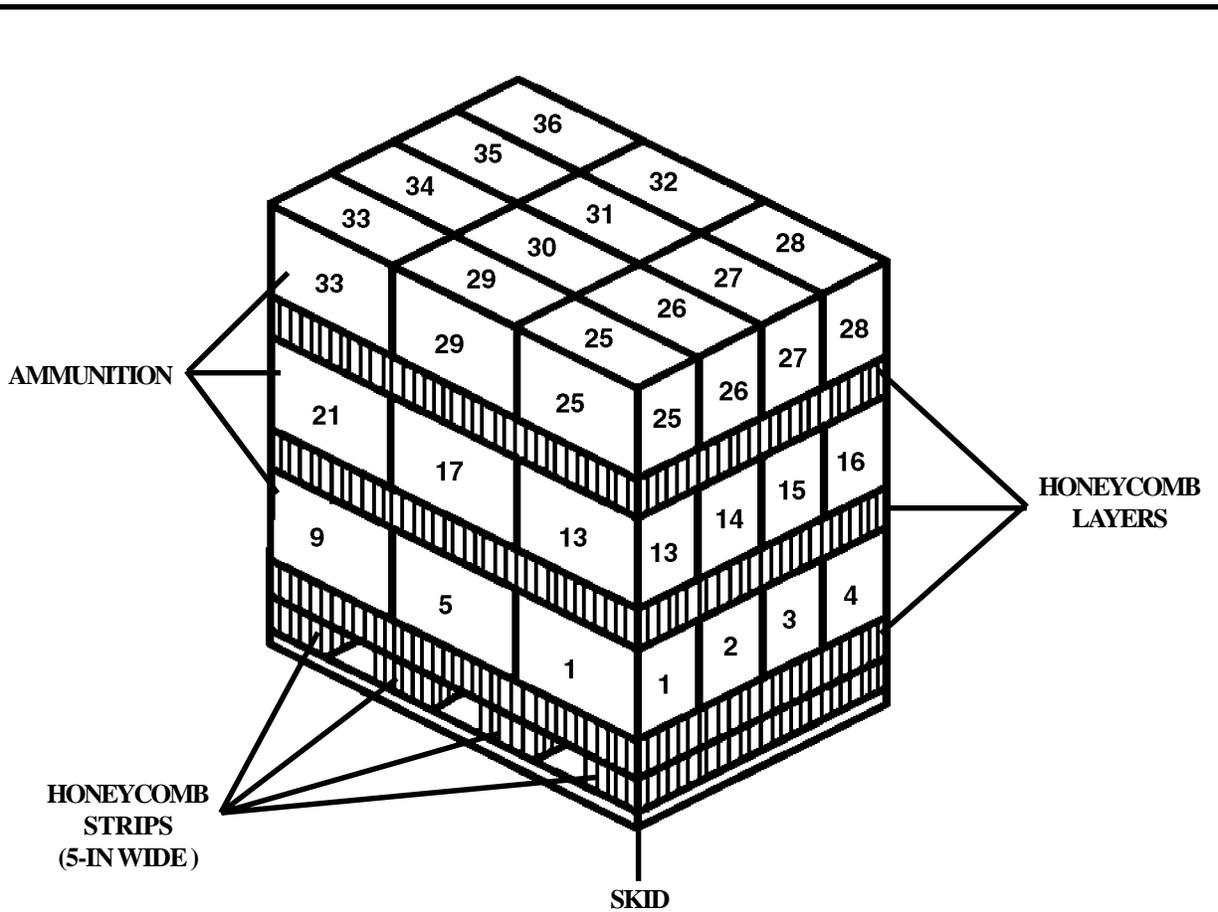


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.6.*

**Demolition Item**

Demolition Kit, Fighting Position Excavator, M300, (DODAC 1340-HA08)

*Figure 3-33.6. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 3-33.7.*

**Grenades**

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

*Figure 3-33.7. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop*

## SECTION II

### HIGH-VELOCITY AIRDROP

#### **3-4. Preparing A-7A Cargo Slings and A-21 Cargo Bag Loads**

Prepare the A-7A cargo sling assemblies and the A-21 cargo bags according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.

#### **3-5. Special Instructions**

Follow these special instructions when rigging the A-7A cargo slings and A-21 cargo bags for high-velocity

airdrop.

a. The ammunition loads are positioned in the A-7A cargo sling and/or A-21 cargo bag for high-

velocity airdrop according to the figures listed in this section.

b. A-7A cargo sling and A-21 cargo bag dimension limits are listed in FM 10-500-3/TO 13C7-1-11/FMFM 7-47 according to the type of aircraft used.

c. The minimum allowable rigged weight of an A-7A cargo sling and an A-21 cargo bag, excluding

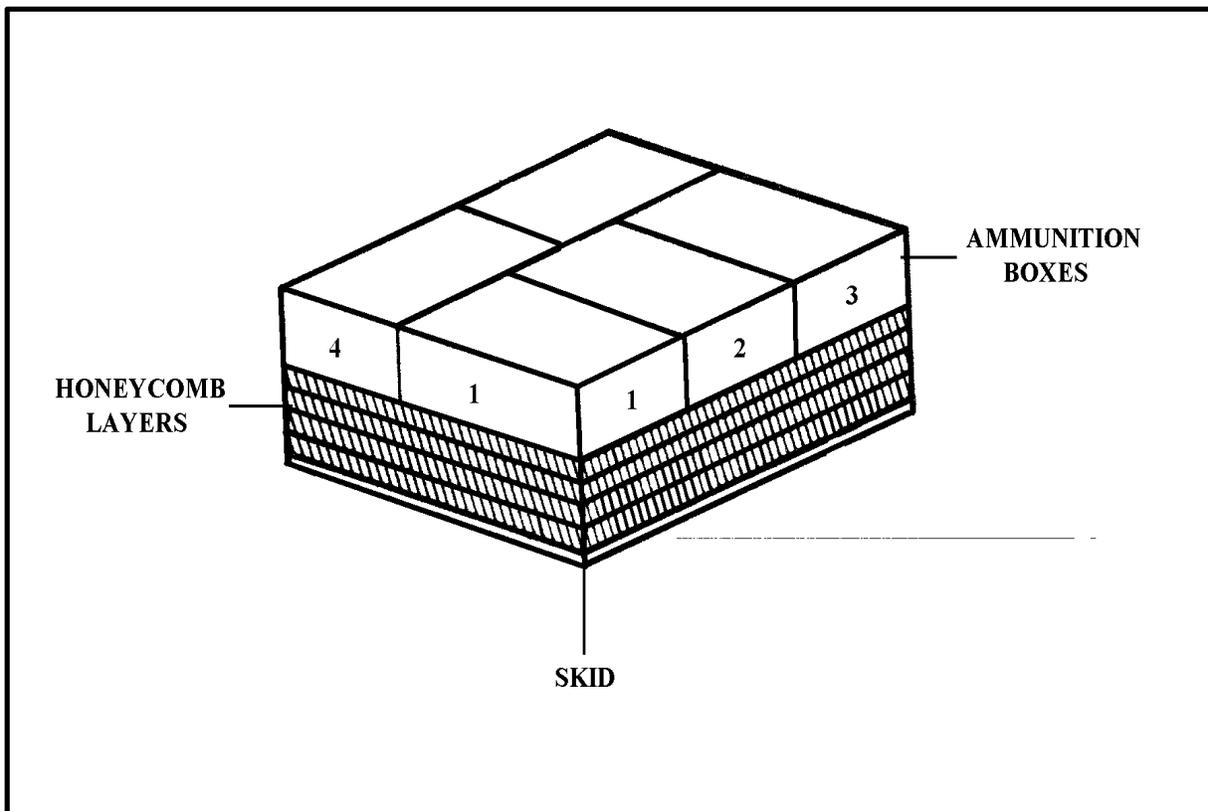
parachute, is 28 pounds per square foot, based on the largest surface area.

d. The A-7A cargo sling or A-21 cargo bag must be closed and secured according to FM 10-500-3/TO 13C7-1-11/FMFM 7-47.

#### **3-6. Parachute Requirements**

Select the correct parachute from Table 1-2. Attach the parachute to the rigged load according to

FM 10-500-3/TO 13C7-1-11/FMFM 7-47.



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-34.*

**5.56-Millimeter Ammunition**

- Cartridge, 5.56-mm, Ball, M855, (DODAC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODAC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODAC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODAC 1305-A071)

**7.62-Millimeter Ammunition**

- Cartridge, 7.62-mm, Ball, M59 and M80, (DODAC 1305-A122)
- Cartridge, 7.62-mm, Tracer, M62, (DODAC 1305-A124)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80, (DODAC 1305-A127)
- Cartridge, 7.62-mm, 5-rd Clip, M80, (DODAC 1305-A130)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62, (DODAC 1305-A131)
- Cartridge, 7.62-mm, Match, M118, (DODAC 1305-A136)
- Cartridge, 7.62-mm, Tracer, M62, (DODAC 1305-A140)
- Cartridge, 7.62-mm, Ball, M80 Linked, (DODAC 1305-A143)
- Cartridge, 7.62-mm, Tracer, M62 Clipped, (DODAC 1305-A145)
- Cartridge, 7.62-mm, Tracer, M62 Linked, (DODAC 1305-A146)

*Figure 3-34. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

**.30-Caliber Ammunition**

Cartridge, Cal .30, AP API, 8-rd Clip, Grade R, (DODAC 1305-A205)  
 Cartridge, Cal .30, AP API, M2, Linked with M1 Link, Grade MG,  
 (DODAC 1305-A207)  
 Cartridge, Cal. 30, AP API, Linked with Tracer, (DODAC 1305-A209)  
 Cartridge, Cal. 30, Ball, M2, (DODAC 1305-A212)  
 Cartridge, Cal. 30, Ball, M2, Clipped, (DODAC 1305-A216)  
 Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODAC 1305-A234)  
 Cartridge, Cal .30, Tracer, M25, Linked, (DODAC 1305-A236)

**.32-Caliber Ammunition**

Cartridge, Cal .32, Ball, Auto 71, Grain, (DODAC 1305-A350)

**.38-Caliber Ammunition**

Cartridge, Cal .38, Special, Ball, M41, (DODAC 1305-A400)

**.45-Caliber Ammunition**

Cartridge, Cal .45, Ball, M1911, (DODAC 1305-A475)

**.50-Caliber Ammunition**

Cartridge, Cal .50, API M8, (DODAC 1305-A531)  
 Cartridge, Cal .50, API, M8, Linked, (DODAC 1305-A533)  
 Cartridge, Cal .50, API-T, M1/M17 Linked, (DODAC 1305-A540)  
 Cartridge, Cal .50, API-T, M20, (DODAC 1305-A541)  
 Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC,  
 (DODAC 1305-A543)  
 Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG,  
 (DODAC 1305-A544)  
 Cartridge, Cal .50, Tracer, M17, Grade MG, (DODAC 1305-A571)  
 Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC,  
 (DODAC 1305-A572)  
 Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODAC 1305-A574)  
 Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODAC 1305-A576)  
 Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODAC 1305-A577)  
 Cartridge, Cal .50, API-T, M20, Linked, (DODAC 1305-A585)  
 Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A587)  
 Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODAC 1305-A589)

**60-Millimeter Ammunition**

Cartridge, 60-mm, Smoke, WP, M302A1, (DODAC 1310-B630)

*Figure 3-34. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop (continued)*

**Grenade**

Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1,  
(DODAC 1330-G900)

**Incendiary Item**

Burster, Incendiary, Field, M4 without Fuze, (DODAC 1345-K010)

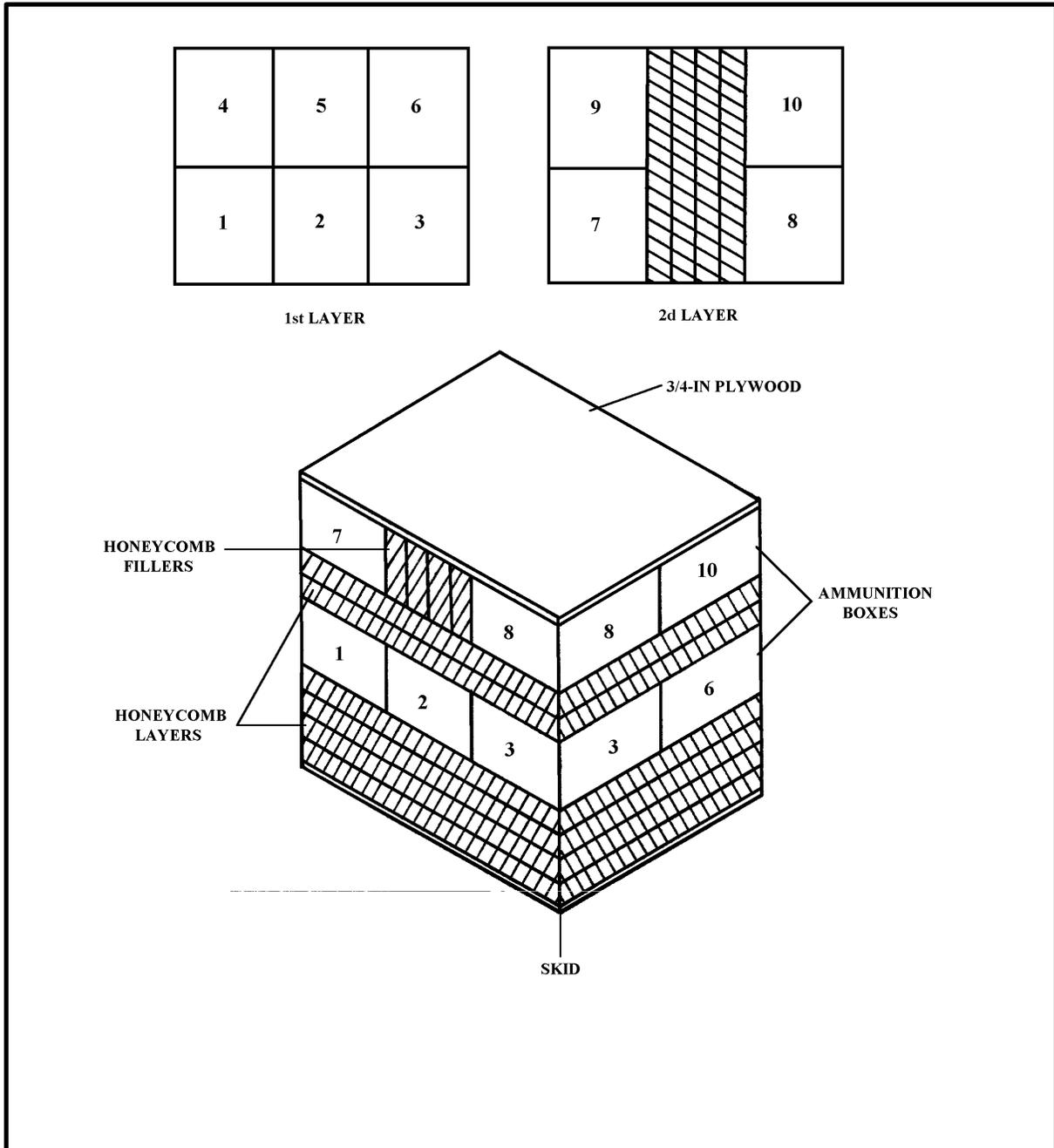
**Signal Items**

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, 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 Items**

Charge, Demolition Block, Comp, C4, 1 1/4-lb, M112, (DODAC 1375-M023)  
Firing Device, Demolition, M3, Pull-Release Type, (DODAC 1375-M629)

*Figure 3-34. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop  
(continued)*

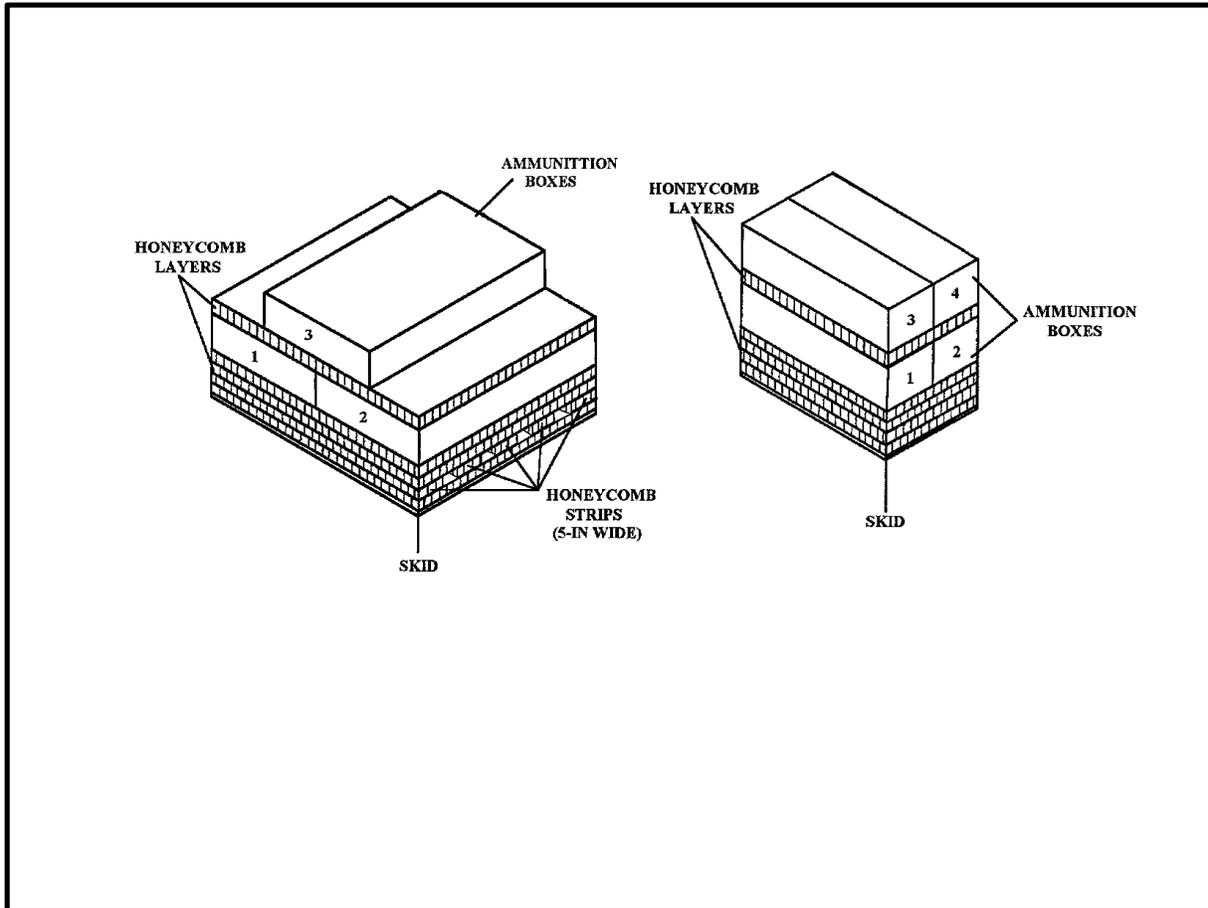


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-35.*

**Shotgun Ammunition**

Cartridge, 12-gauge Shotgun, No 00 Buckshot, M162, (DODAC 1305-A011)

*Figure 3-35. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-36.*

**7.62-Millimeter Ammunition**

Cartridge, 7.62-mm, Linked, 9-ball, M80, 1 TR, M62, (DODAC 1305-A165)

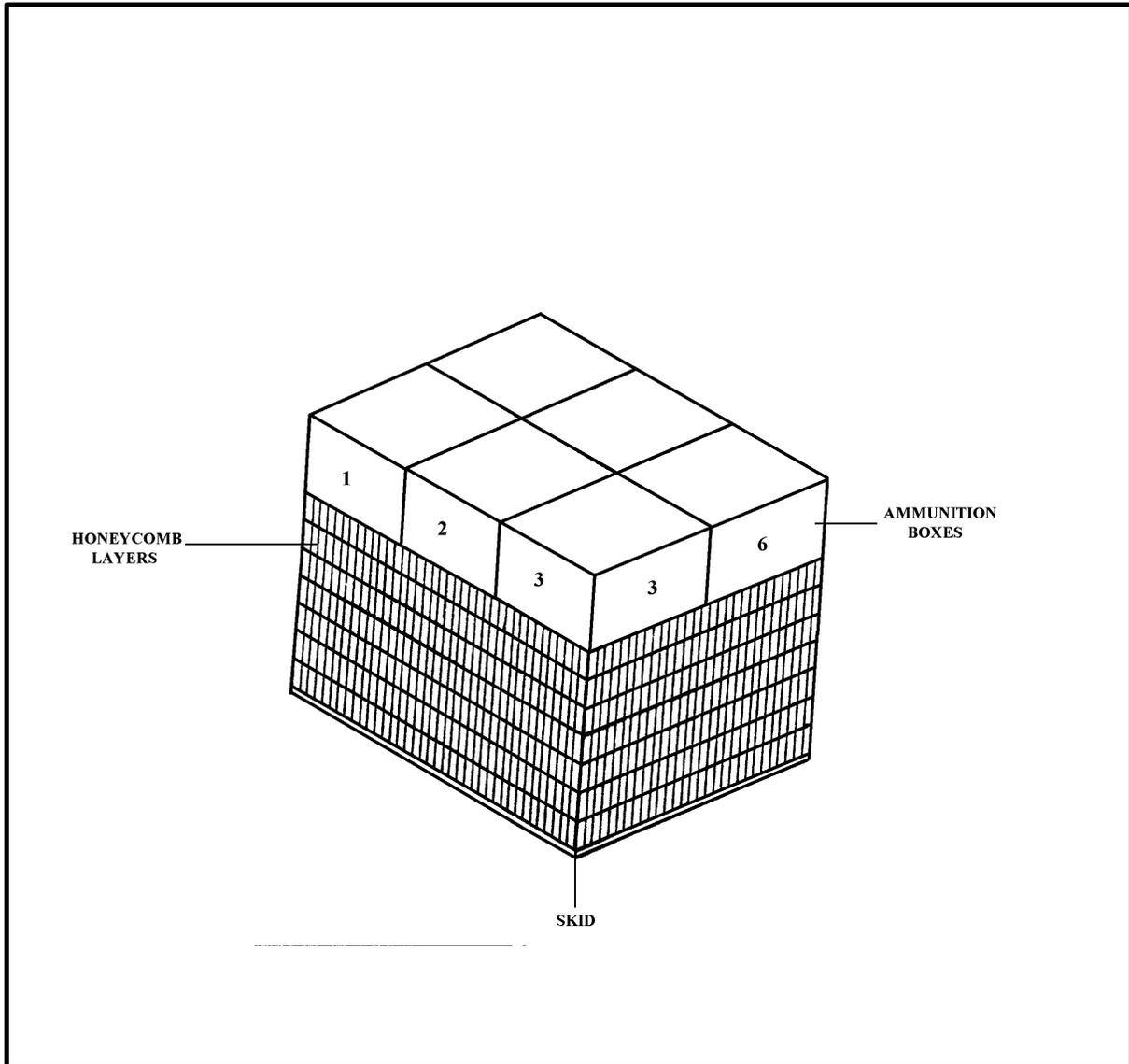
**.30-Caliber Ammunition**

Cartridge, Cal .30, AP API, Carton, Grade R, (DODAC 1305-A201)  
 Cartridge, Cal .30, AP API, Carton, Grade MG, (DODAC 1305-A202)  
 Cartridge, Cal .30, Ball, M2, Clipped, (DODAC 1305-A214)  
 Cartridge, Cal .30, Tracer, M1, Clipped, (DODAC 1305-A232)

**4.2-Inch Ammunition**

Cartridge, 4.2-in, HE, M329A1, (DODAC 1315-C704)  
 Cartridge, 4.2-in, HE, M329A1, (DODAC 1315-C705)  
 Cartridge, 4.2-in, Illuminating, M335A2, (DODAC 1315-C706)  
 Cartridge, 4.2-in, Smoke, WP, M328A1, (DODAC 1315-C708)

*Figure 3-36. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

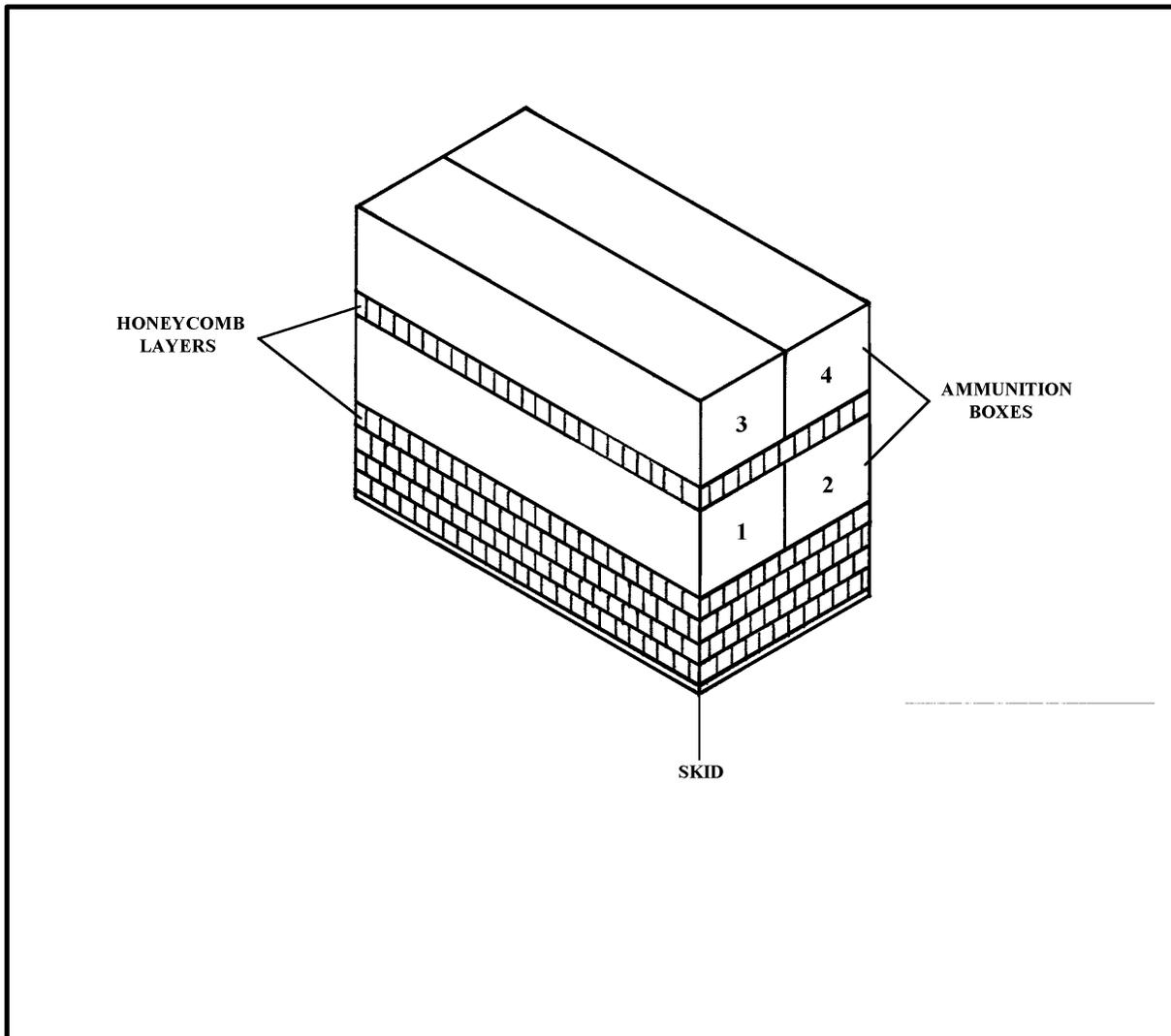


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-37.*

**9-Millimeter Ammunition**

Cartridge, 9-mm, Ball, M882, (DODAC 1305-A363)

*Figure 3-37. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-38.*

**.50-Caliber Ammunition**

Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20  
(DODAC 1305-A532)

Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG  
(DODAC 1305-A534)

**40-Millimeter Ammunition**

Cartridge, 40-mm, HEDP, M33, SD, (DODAC 1310-B470)

Cartridge, 40-mm, HEI-T, SD, (DODAC 1310-B559)

*Figure 3-38. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

**81-Millimeter Ammunition**

Cartridge, 81-mm, Illuminating, M301A3, (DODAC 1315-C226)  
 Cartridge, 81-mm, HE, M374A2, (DODAC 1315-C236)  
 Cartridge, 81-mm, HE, M374A2 with Fuze M524A5, (DODAC 1315-C256)  
 Cartridge, 81-mm, HE, M374A2 with Fuze M524A6, (DODAC 1315-C256)  
 Cartridge, 81-mm, HE, M374A2 with Fuze M567, (DODAC 1315-C256)  
 Cartridge, 81-mm, HE, M374A2 with Fuze M716, (DODAC 1315-C256)  
 Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6,  
 (DODAC 1315-C276)

**90-Millimeter Ammunition**

Cartridge, 90-mm, HEP-T, T142E3, (DODAC 1315-C292)  
 Cartridge, 90-mm, HEAT, M431A1, (DODAC 1315-C294)

**Mines**

Mine, AP, M26, (DODAC 1345-K146)  
 Mine, Antitank, HE, M121, Heavy with Fuze Combination M607,  
 (DODAC 1345-K181)

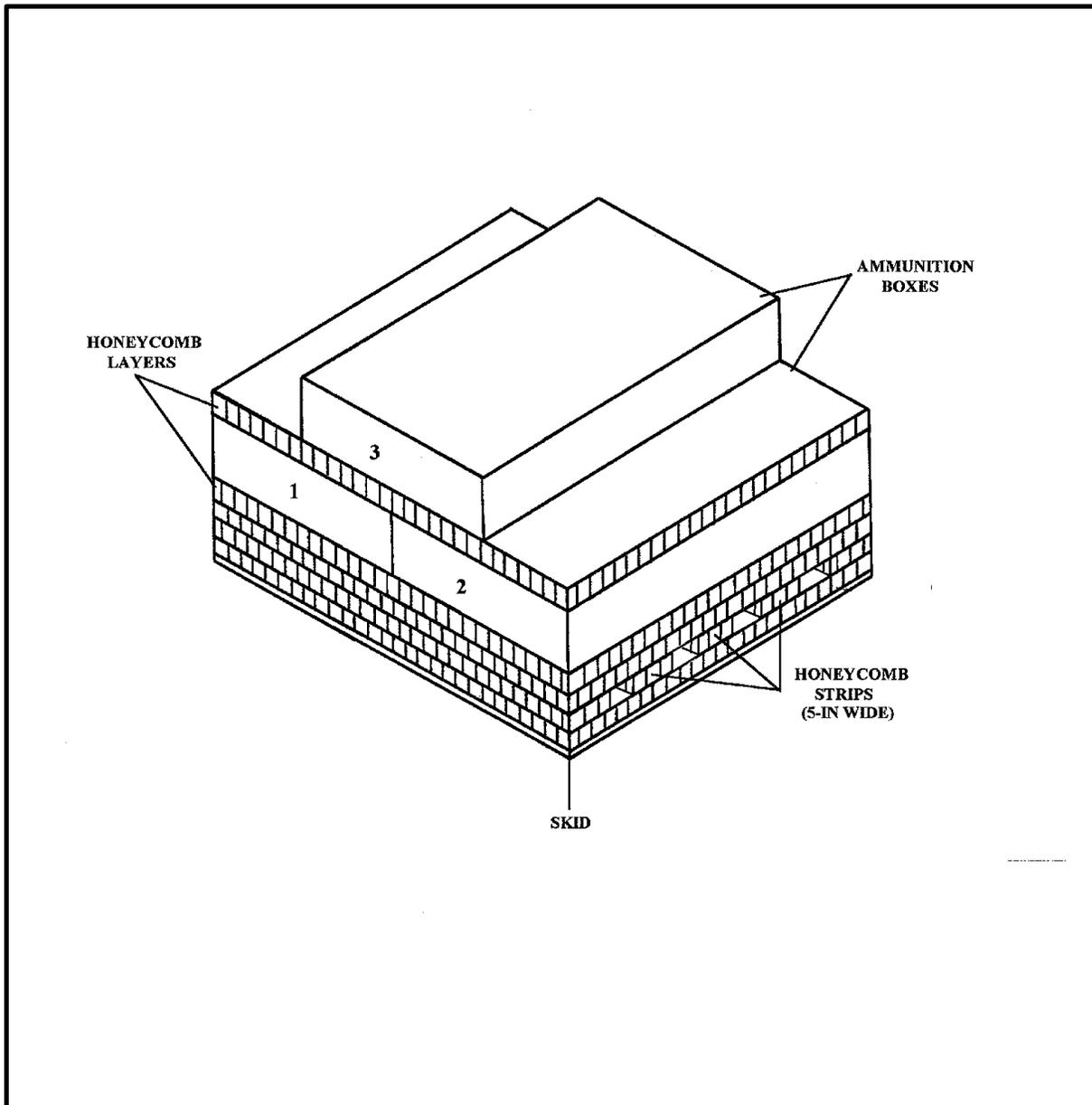
**Signal Items**

Signal, Illuminating, A/C, Single Star, AN-M43A2, Red, (DODAC 1370-L231)  
 Signal, Illuminating, A/C, Single Star, AN-M45A2, Green,  
 (DODAC 1370-L233)

**Demolition Items**

Charge, Demolition, Block, 1/4-lb TNT, (DODAC 1375-M030)  
 Charge, Demolition, Roll Type, XM-186, (DODAC 1375-M060)  
 Cap, Blasting, Special Non-Electric, M7, (DODAC 1375-M131)  
 Dynamite, Military, M1, (DODAC 1375-M591)  
 Firing Device, Demolition, M1, Pull Type, (DODAC 1375-M630)

*Figure 3-38. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-39.*

**.50-Caliber Ammunition**

Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODAC 1305-A542)

**40-Millimeter Ammunition**

Cartridge, 40-mm, AP-T, M81, (DODAC 1310-B552)

Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODAC 1310-B562)

*Figure 3-39. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

**90-Millimeter Ammunition**

Cartridge, 90-mm, WP, M313C, (DODAC 1315-C258)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C265)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C266)  
 Cartridge, 90-mm, HE, M71, (DODAC 1315-C267)  
 Cartridge, 90-mm, Smoke, WP, M313, (DODAC 1315-C273)  
 Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODAC 1315-C280)  
 Cartridge, 90-mm, AP-T, M318 or M318A1, (DODAC 1315-C285)  
 Cartridge, 90-mm, Canister, M377, (DODAC 1315-C601)

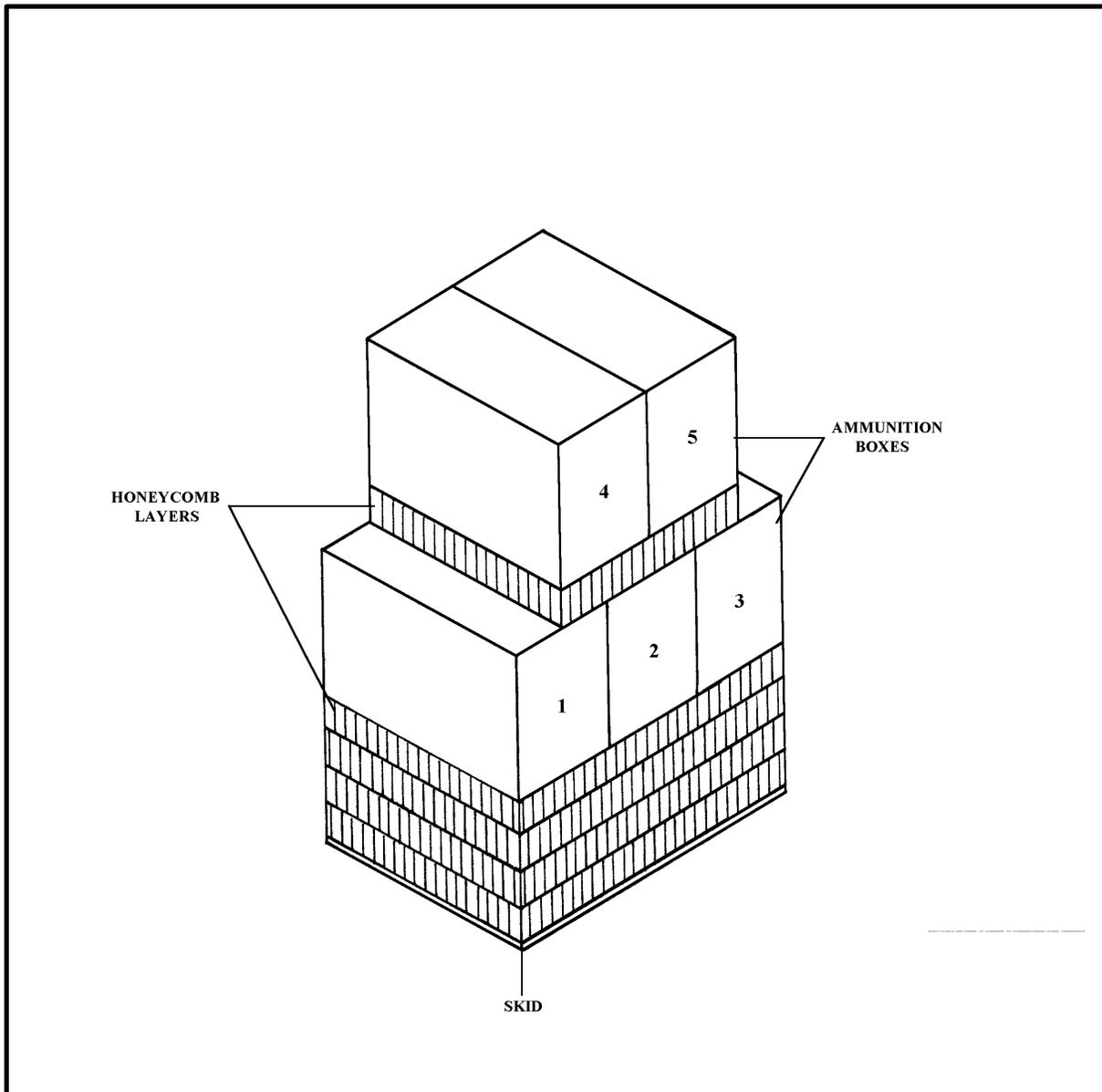
**105-Millimeter Ammunition**

Cartridge, 105-mm, HE, M1, (DODAC 1315-C443)  
 Cartridge, 105-mm, HE, M1, (DODAC 1315-C444)  
 Cartridge, 105-mm, HE, M1, (DODAC 1315-C445)  
 Cartridge, 105-mm, HEP-T, M327, (DODAC 1315-C448)  
 Cartridge, 105-mm, Illuminating, M314A3, (DODAC 1315-C449)  
 Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODAC 1315-C452)  
 Cartridge, 105-mm, Smoke, WP, M60, (DODAC 1315-C454)  
 Cartridge, 105-mm, HE, M444, (DODAC 1315-C462)  
 Cartridge, 105-mm, HE, XM548E1, (DODAC 1315-C463)  
 Cartridge, 105-mm, Tactical, CS, M629, (DODAC 1315-C468)  
 Cartridge, 105-mm, Smoke, WP, M60, (DODAC 1315-C477)  
 Cartridge, 105-mm, APDS-T, M728, (DODAC 1315-C494)  
 Cartridge, 105-mm, APDS-T, M392A2, (DODAC 1315-C505)  
 Cartridge, 105-mm, HEAT-T, M456A1E2, (DODAC 1315-C508)  
 Cartridge, 105-mm, TP-T, M490, (DODAC 1315-C511)  
 Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1,  
 (DODAC 1315-C512)  
 Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563, (DODAC 1315-C513)  
 Cartridge, 105-mm, HEP-T, M393A2, (DODAC 1315-C518)  
 Cartridge, 105-mm, APERS-T, M494 with Fuze M571, (DODAC 1315-C519)

**106-Millimeter Ammunition**

Cartridge, 106-mm, HEAT, M344A1, (DODAC 1315-C650)  
 Cartridge, 106-mm, HEP-T, M346A1, (DODAC 1315-C651)  
 Cartridge, 106-mm, APERS-T, M581, (DODAC 1315-C660)

*Figure 3-39. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop (continued)*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-40.*

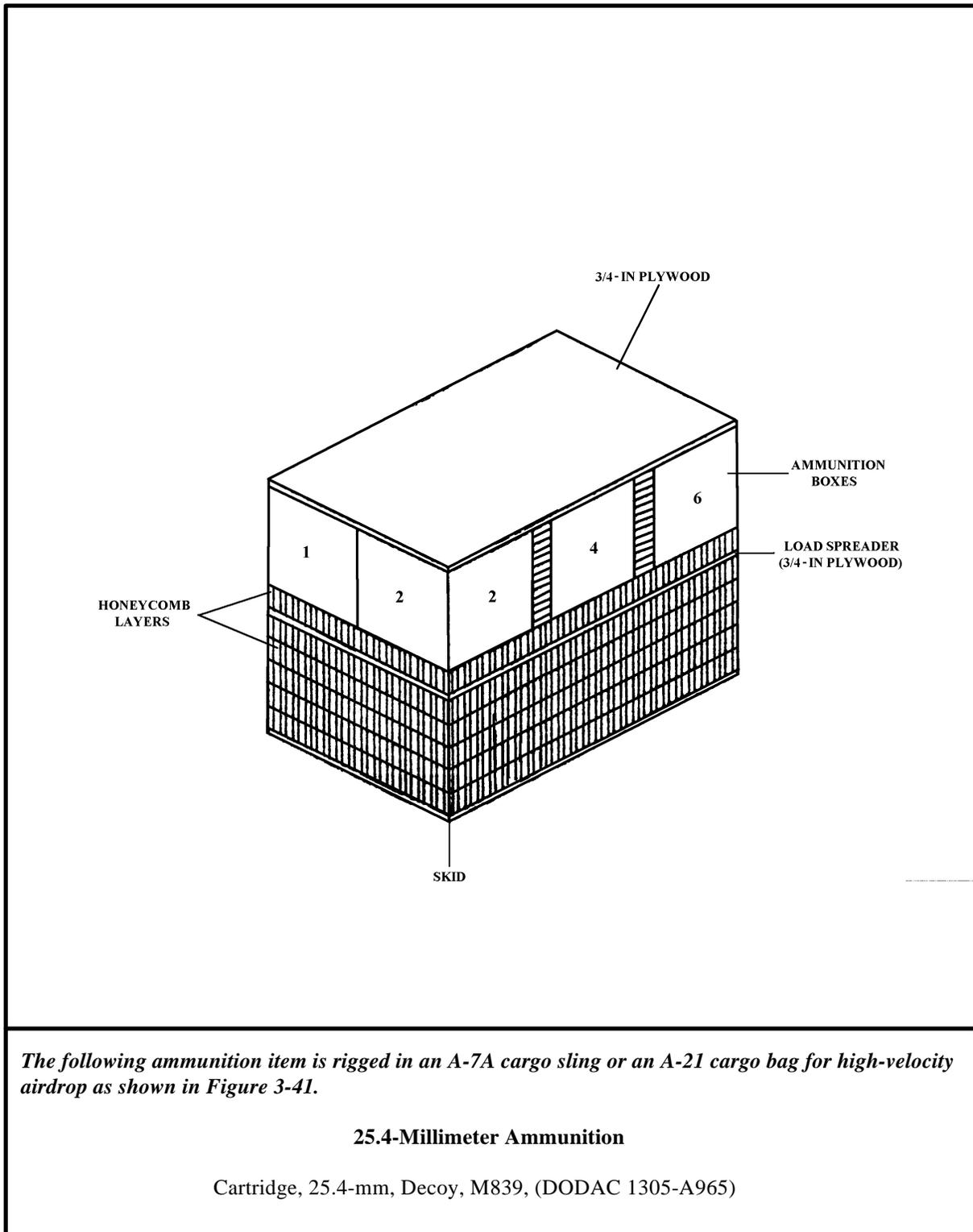
**20-Millimeter Ammunition**

- Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODAC 1305-A653)
- Cartridge, 20-mm, Linked, 7 HEI, M56A3-1, M220, (DODAC 1305-A655)
- Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODAC 1305-A792)

**Demolition Items**

- Charge, Demolition, Block, 1/2-lb TNT, (DODAC 1375-M031)
- Charge, Demolition, Block, 1-lb TNT, (DODAC 1375-M032)

*Figure 3-40. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

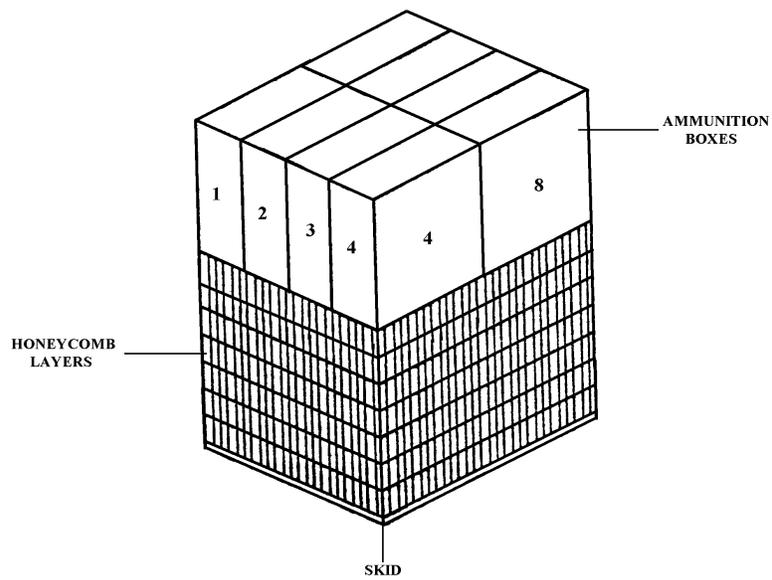


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-41.*

**25.4-Millimeter Ammunition**

Cartridge, 25.4-mm, Decoy, M839, (DODAC 1305-A965)

*Figure 3-41. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

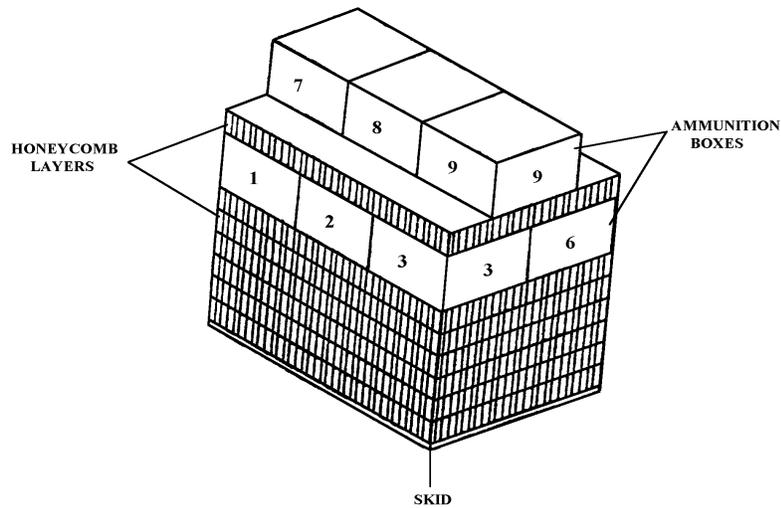


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-42.*

**25-Millimeter Ammunition**

- Cartridge, 25-mm, M791, (DODAC 1305-A974)
- Cartridge, 25-mm, HEI-T, M792, w/ M758 Fuze, (DODAC 1305-A975)
- Cartridge, 25-mm, M919, (DODAC 1305-A986)

*Figure 3-42. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

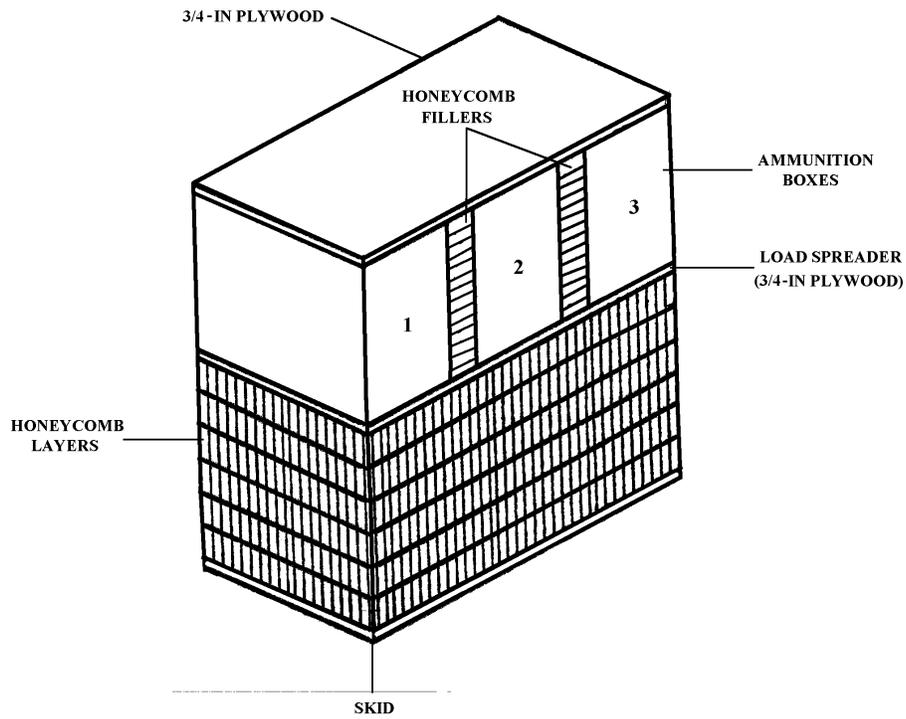


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-43.*

**40-Millimeter Ammunition**

- Cartridge, 40-mm, Illuminating, M661, (DODAC 1310-B504)
- Cartridge, 40-mm, Illuminating, M662, (DODAC 1310-B505)
- Cartridge, 40-mm, Red Smoke, M713, (DODAC 1310-B506)
- Cartridge, 40-mm, Green Smoke, M715, (DODAC 1310-B508)
- Cartridge, 40-mm, Yellow Smoke, M716, (DODAC 1310-B509)

*Figure 3-43. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



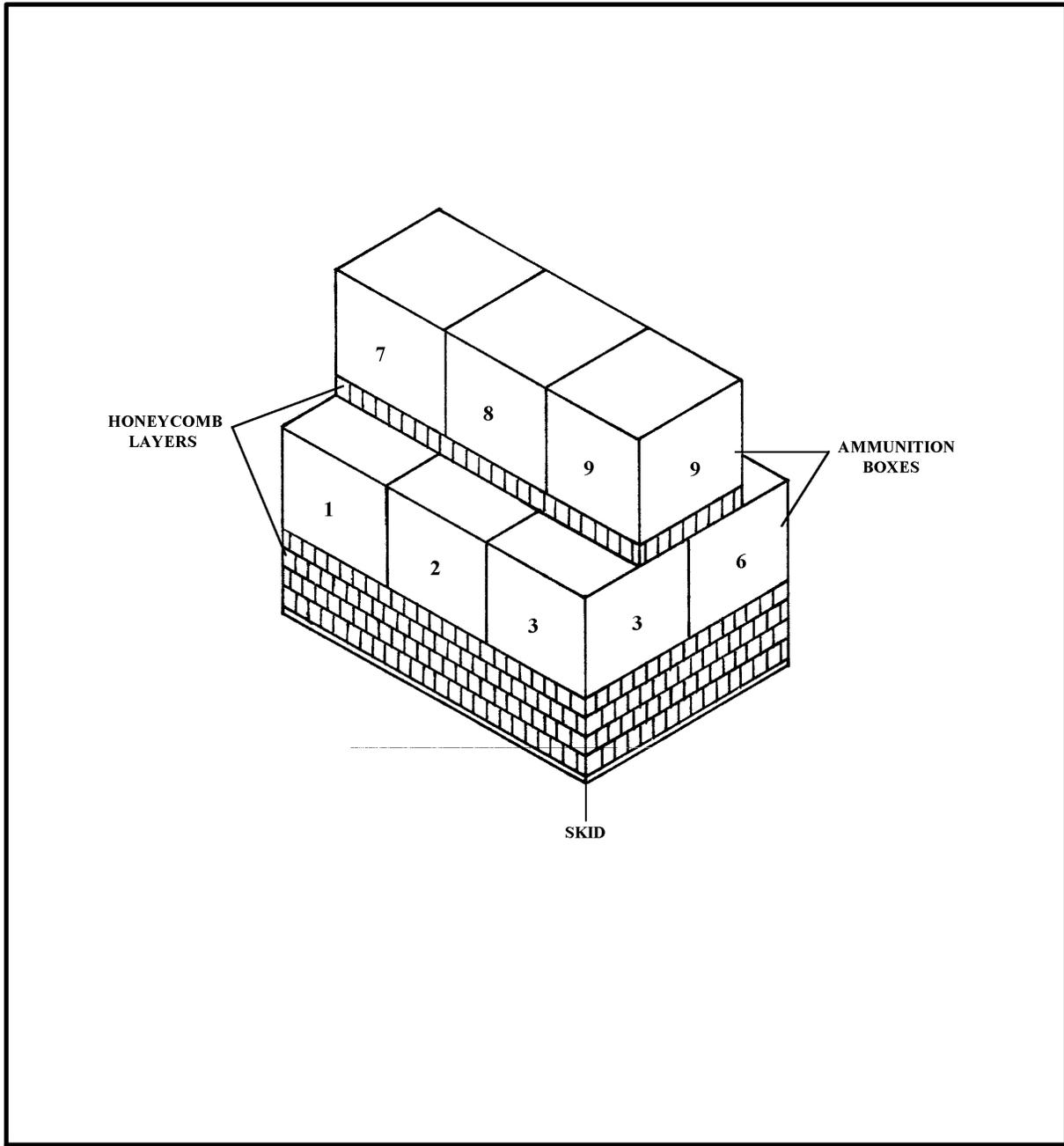
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-44.*

**30-Millimeter Ammunition**

Cartridge, 30-mm, HE, Dual Purpose, M789, (DODAC 1305-B129)

Cartridge, 30-mm, HE, Dual Purpose, M789, (DODAC 1305-B130)

*Figure 3-44. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

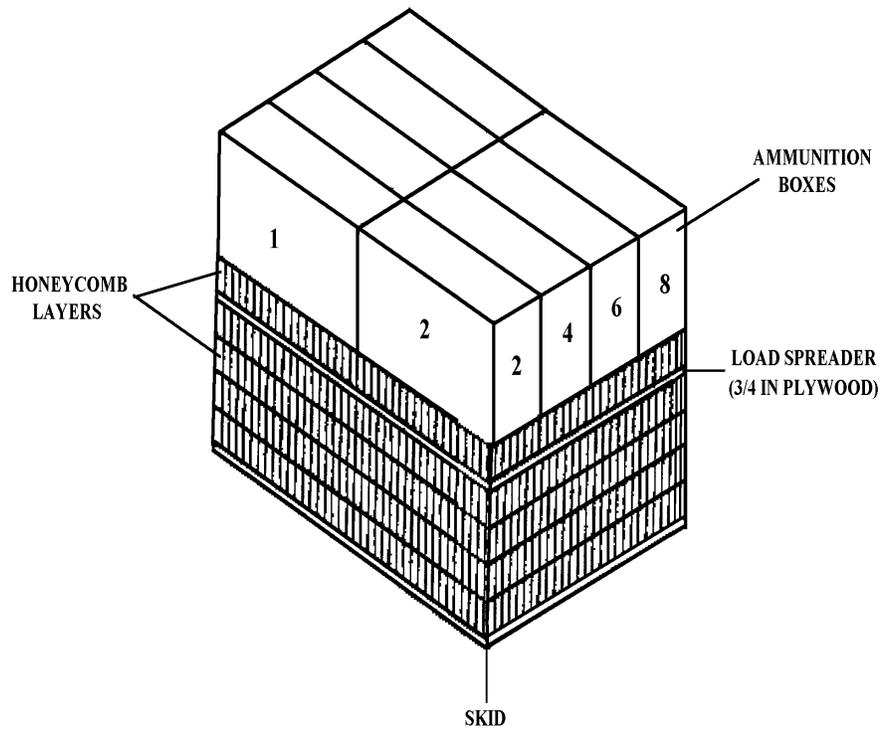


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-45.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, Illuminating, White Star, M583E1, (DODAC 1310-B535)

*Figure 3-45. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



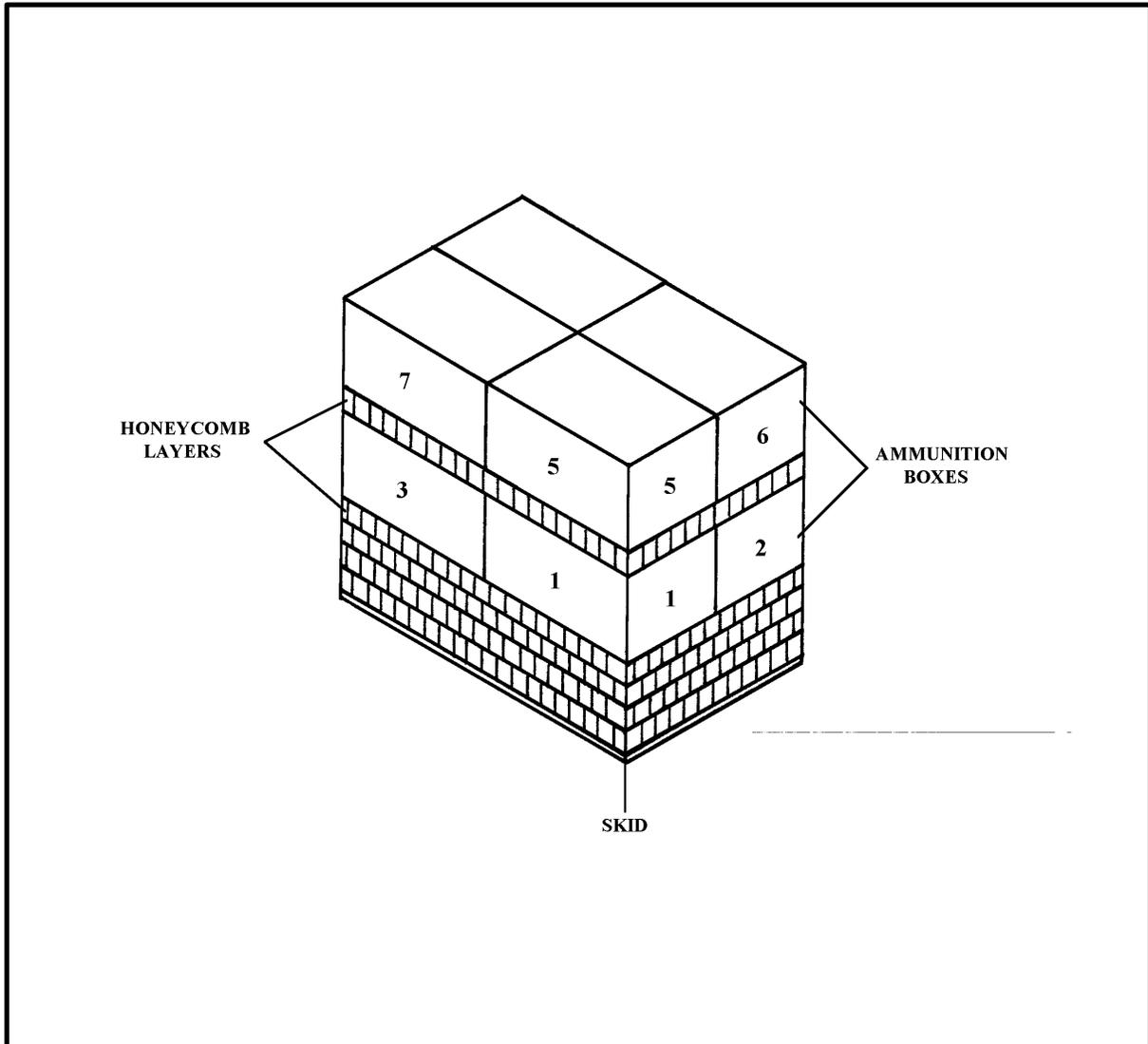
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-46.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, HEDP, Linked, M430, (DODAC 1310-B542)

Cartridge, 40-mm, TP, M918, (DODAC 1310-B584)

*Figure 3-46. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-47.*

**40-Millimeter Ammunition**

Cartridge, 40-mm, HEDP, M433, (DODAC 1310-B546)

**60-Millimeter Ammunition**

Cartridge, 60-mm, HE, M49A4, (DODAC 1310-B632)

**90-Millimeter Ammunition**

Cartridge, 90-mm, Canister, APERS, M590, (DODAC 1315-C410)

*Figure 3-47. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

**Grenades**

Grenade, Hand, Offensive, MK3A2 with Fuze, (DODAC 1330-G911)  
Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze, (DODAC 1330-G930)  
Grenade, Hand, Green Smoke, M18 with Fuze, (DODAC 1330-G940)  
Grenade, Hand, Yellow Smoke, M18 with Fuze, (DODAC 1330-G945)  
Grenade, Hand, Red Smoke, M18 with Fuze, (DODAC 1330-G950)  
Grenade, Hand, Violet Smoke, M18 with Fuze M201A1, (DODAC 1330-G955)  
Grenade, Hand, Riot Control, M7A3 with Fuze, (DODAC 1330-G963)  
Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODAC 1330-G839)

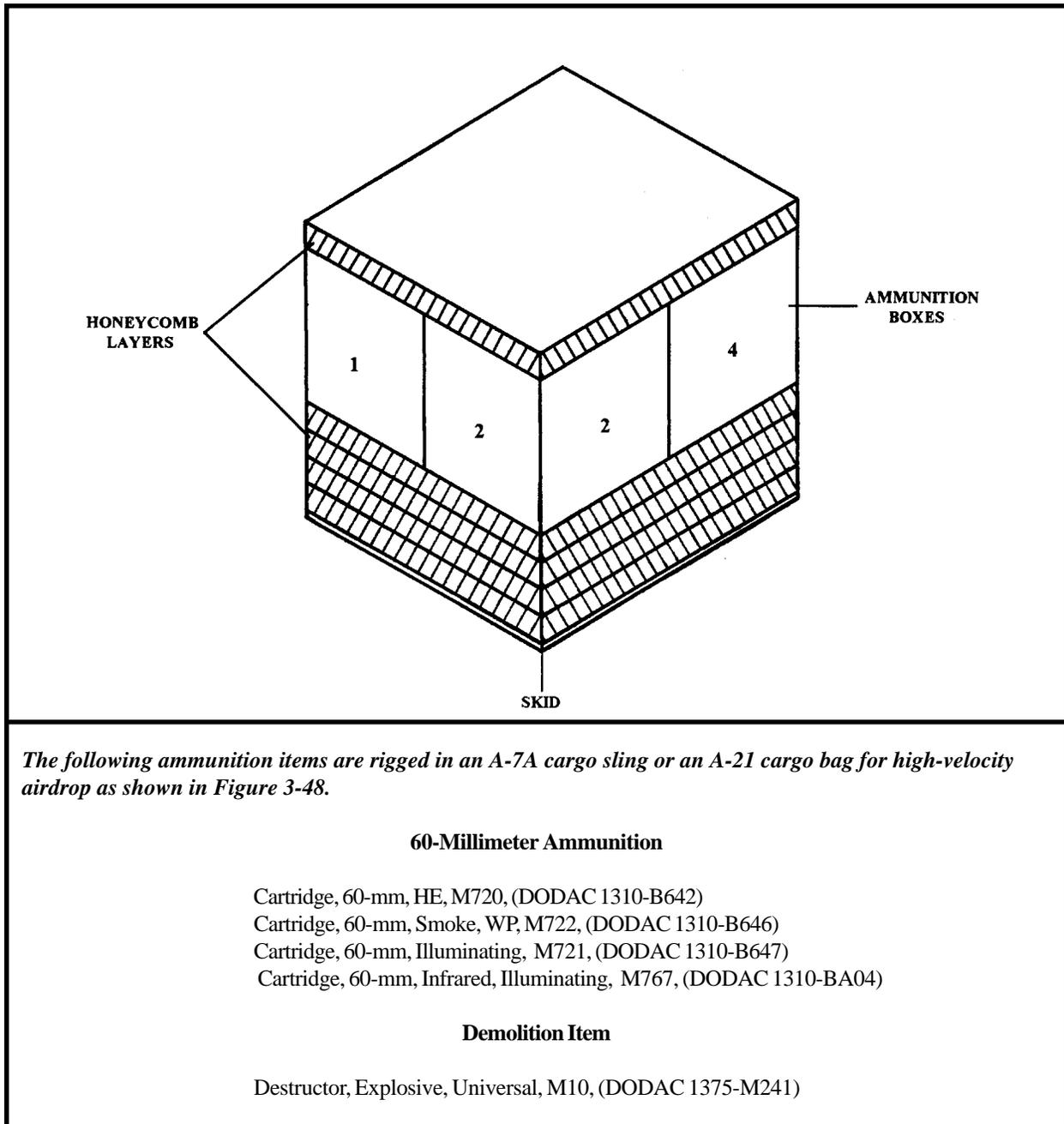
**Flare and Signal Item**

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

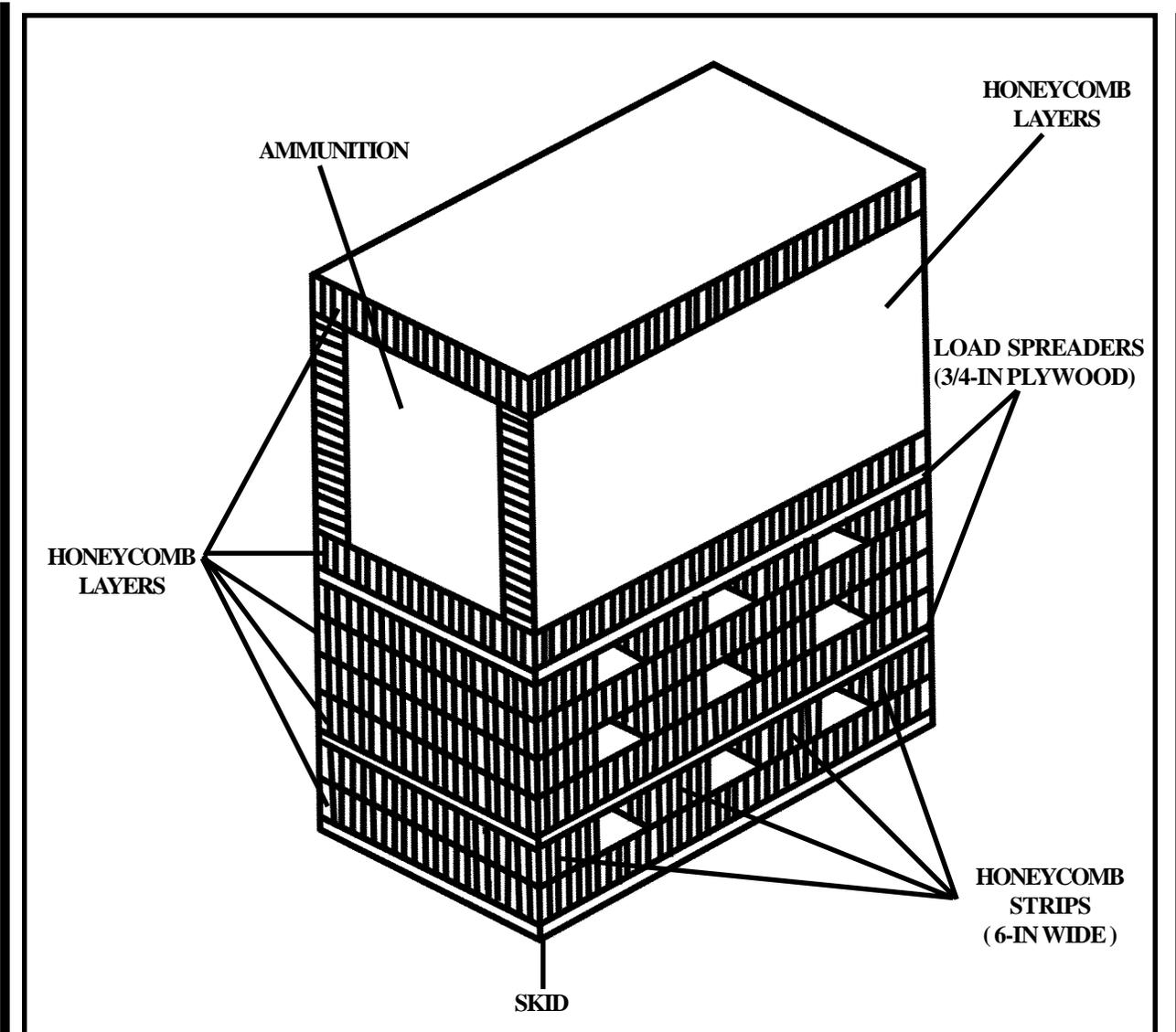
**Demolition Items**

Charge, Demolition, Block, PETN, M118, (DODAC 1375-M024)  
Firing Device, Demolition, M5, Pressure-Release Type, (DODAC 1375-M627)

*Figure 3-47. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop (continued)*



*Figure 3-48. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

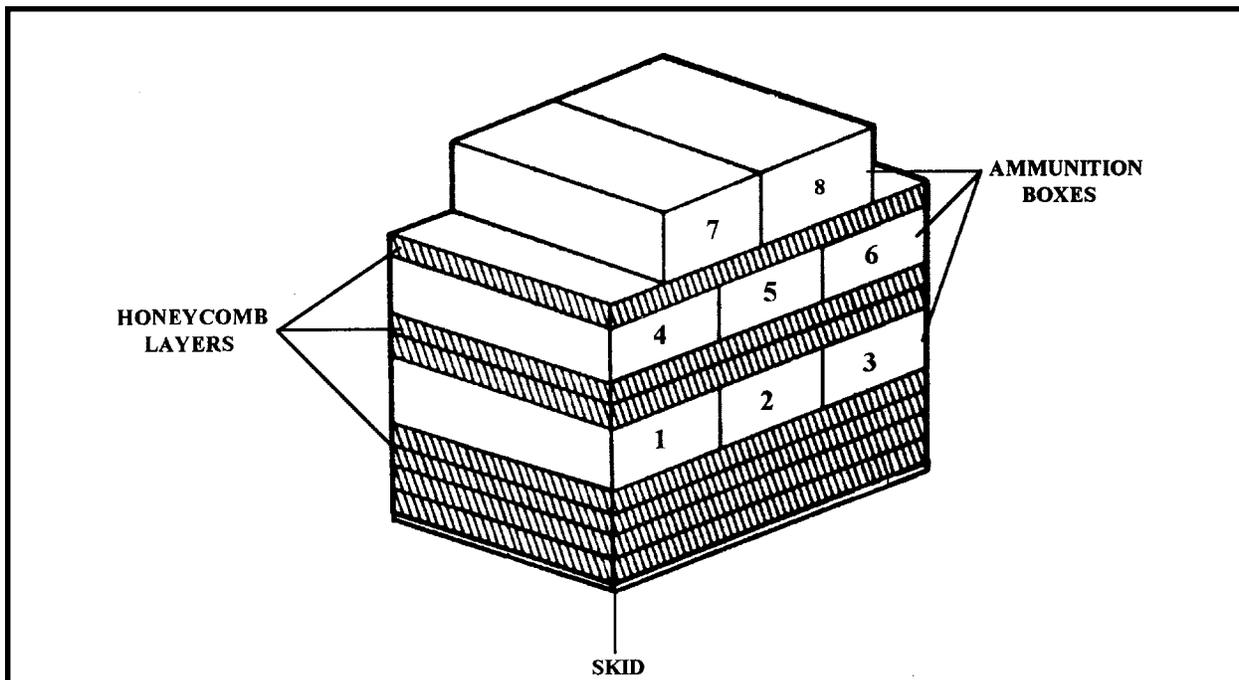


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-48.1.*

**60-Millimeter Ammunition**

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

*Figure 3-48.1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-49.*

**81-Millimeter Ammunition**

- Cartridge, 81-mm, HE, M362, (DODAC 1315-C222)
- Cartridge, 81-mm, HE, M372, (DODAC 1315-C223)
- Cartridge, 81-mm, HE, M43A1, (DODAC 1315-C225)
- Cartridge, 81-mm, Smoke, WP, M57, (DODAC 1315-C230)

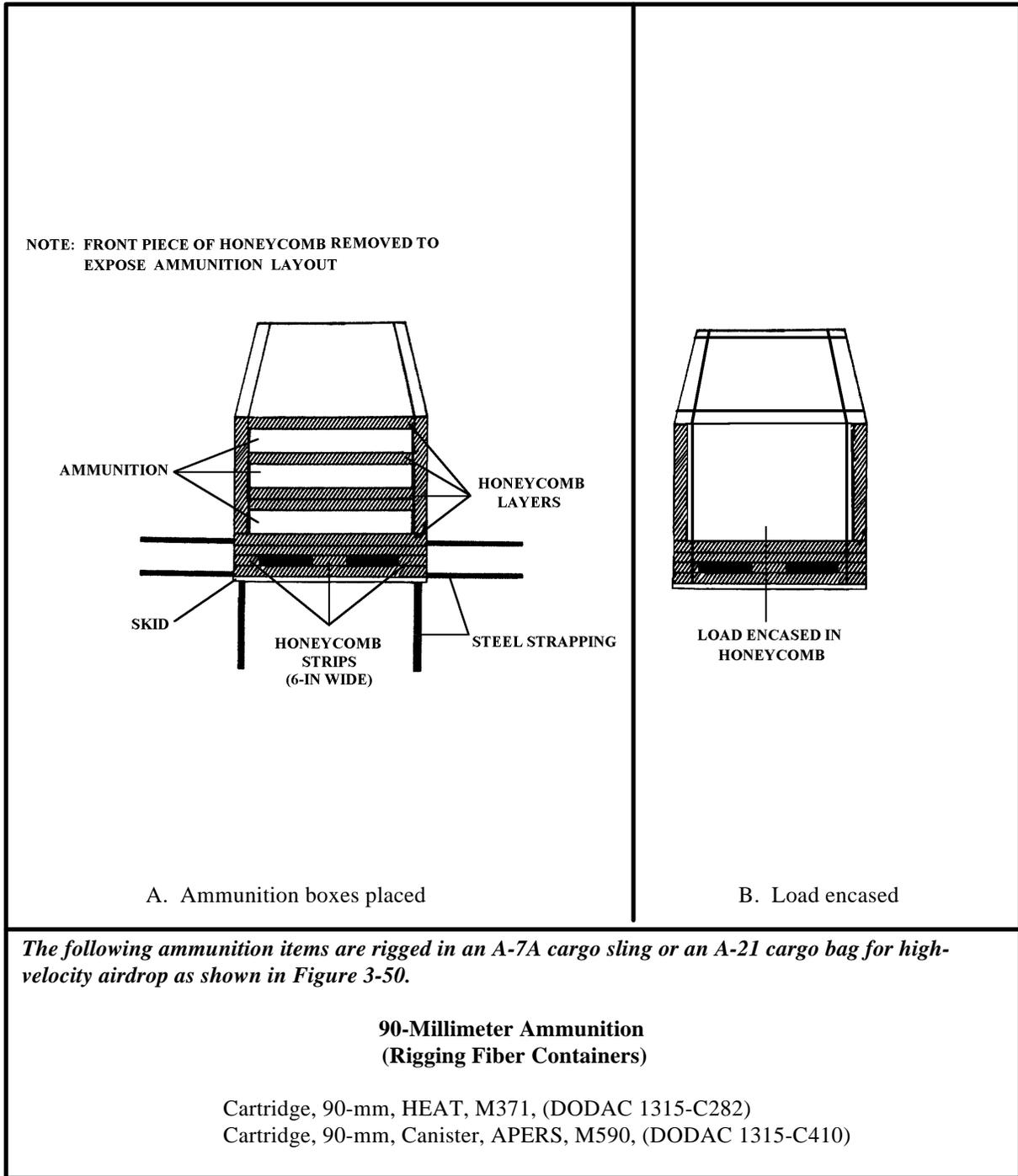
**90-Millimeter Ammunition**

- Cartridge, 90-mm, Heat, M371, (DODAC 1315-C282)

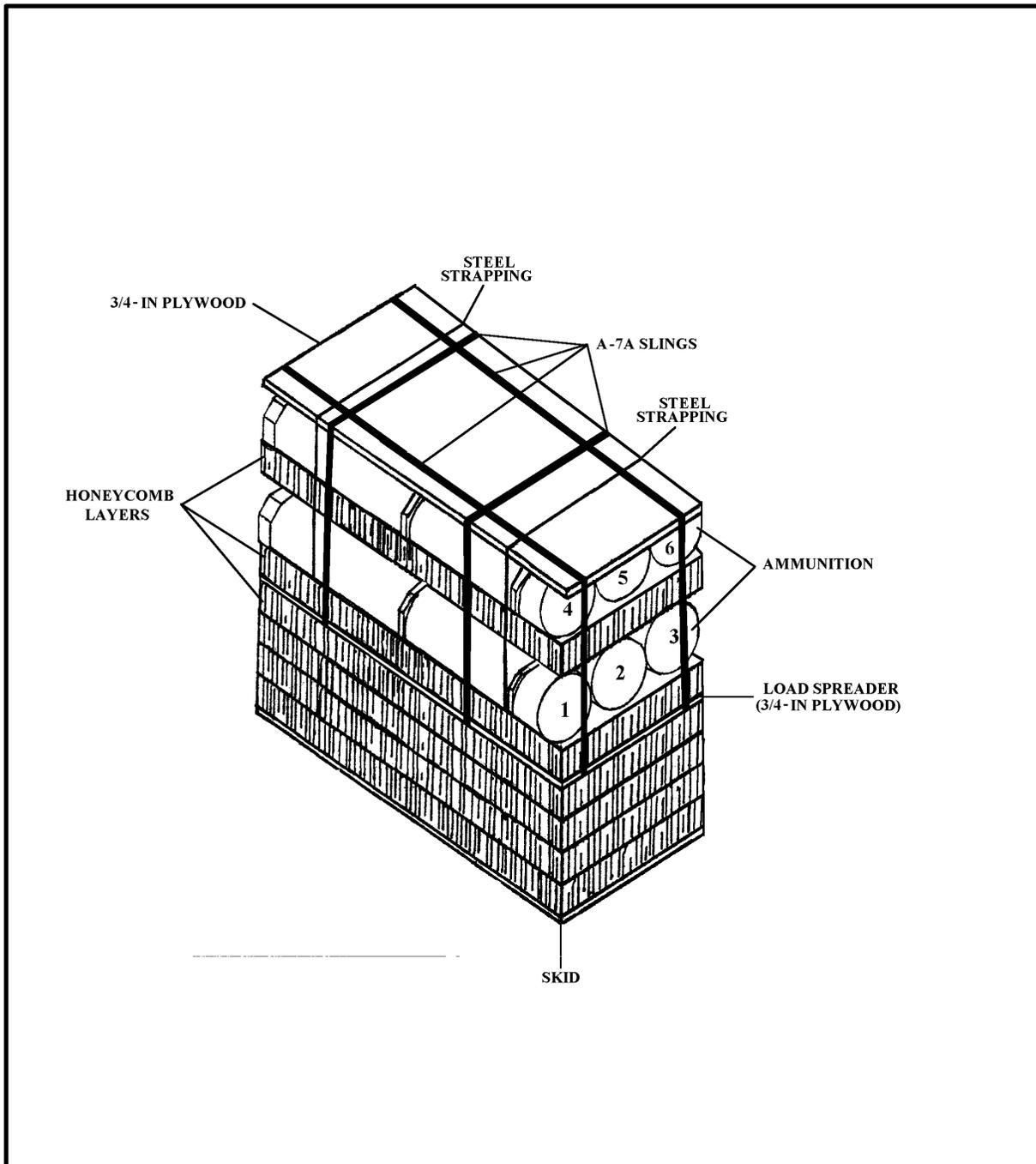
**Demolition Item**

- Charge, Demolition, Block, 40-lb, Cratering, Ammonium Nitrate, (DODAC 1375-M039)

*Figure 3-49. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*Figure 3-50. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

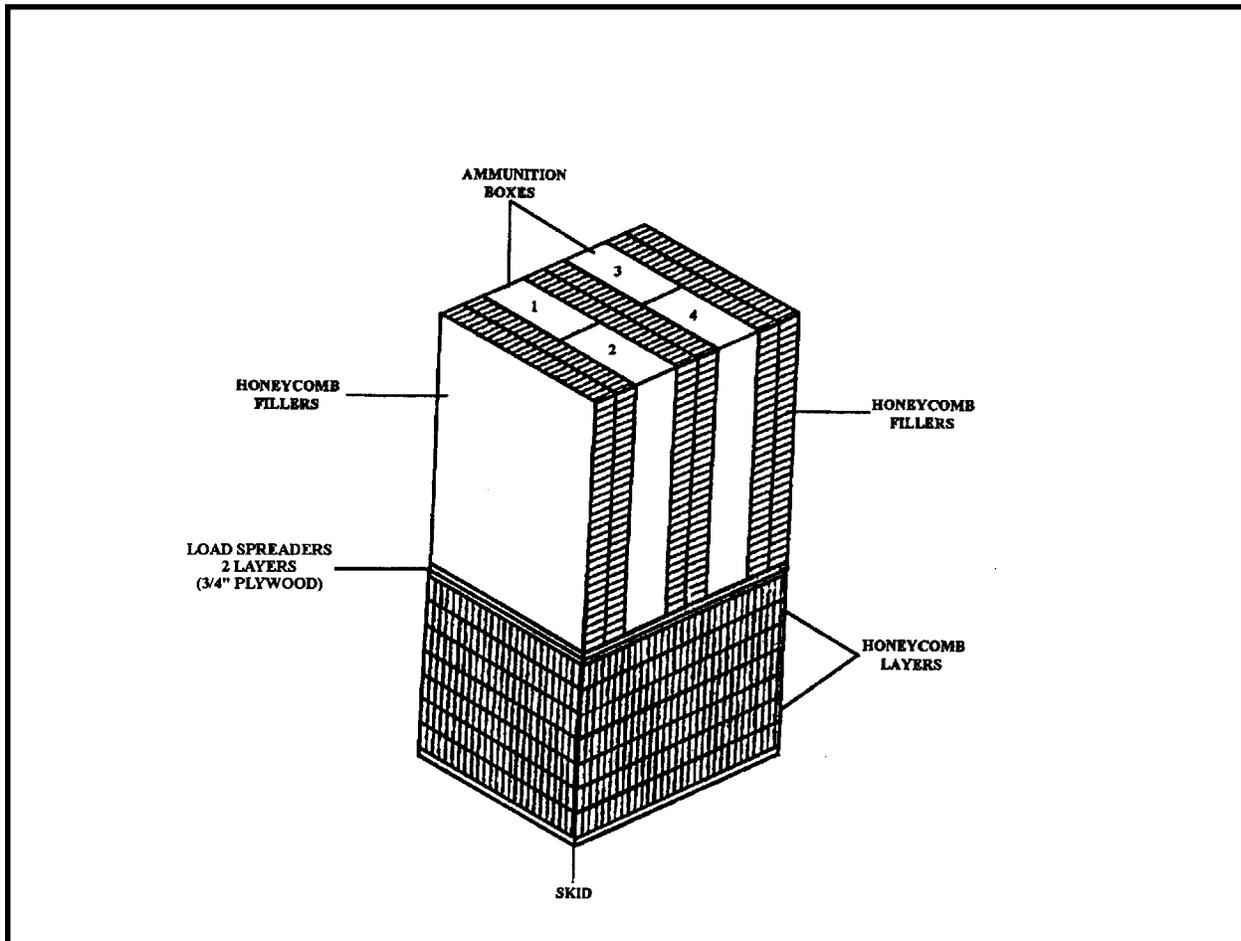


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-51.*

**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, XM900E1, (DODAC 1315-C543)

*Figure 3-51. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

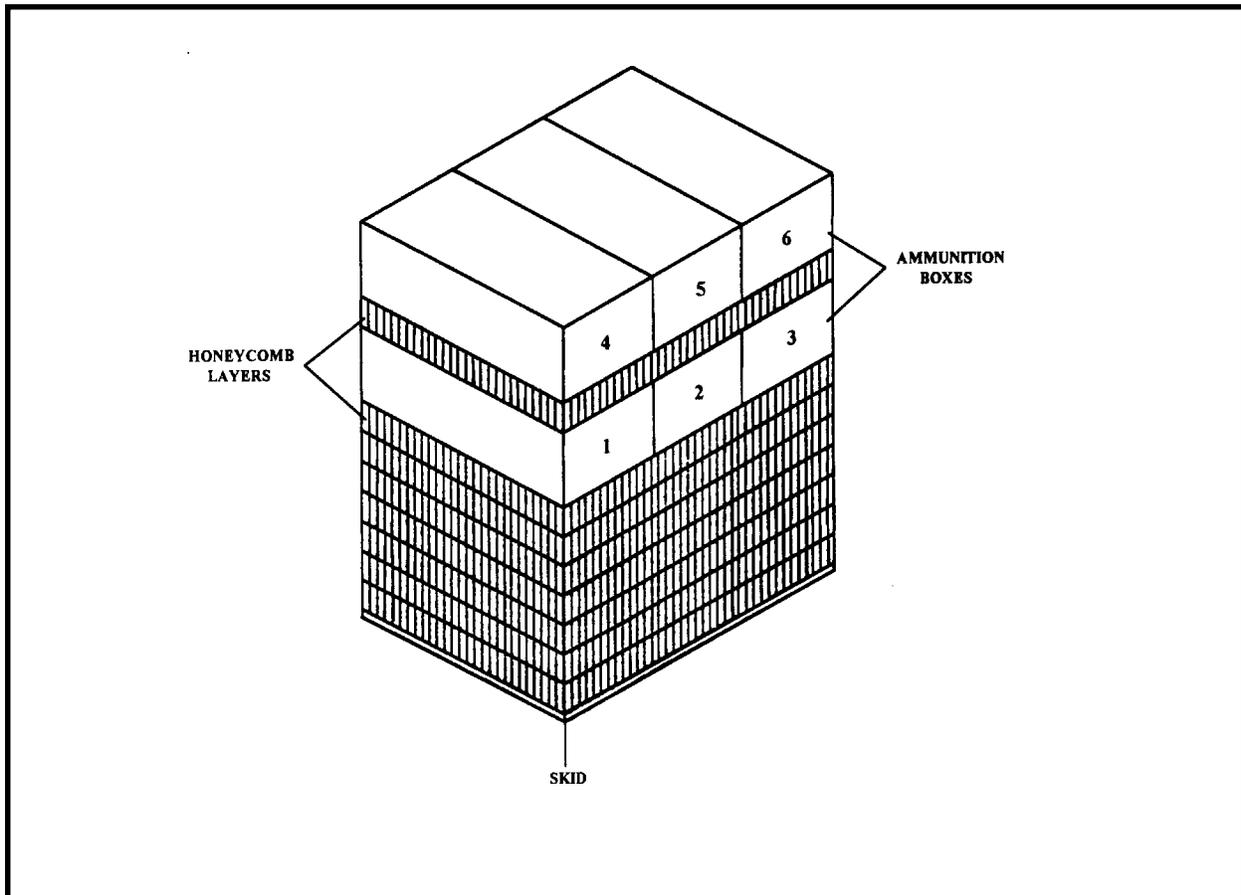


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-52.*

**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 M745 or M734A1 (DODAC 1315-C624)

*Figure 3-52. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

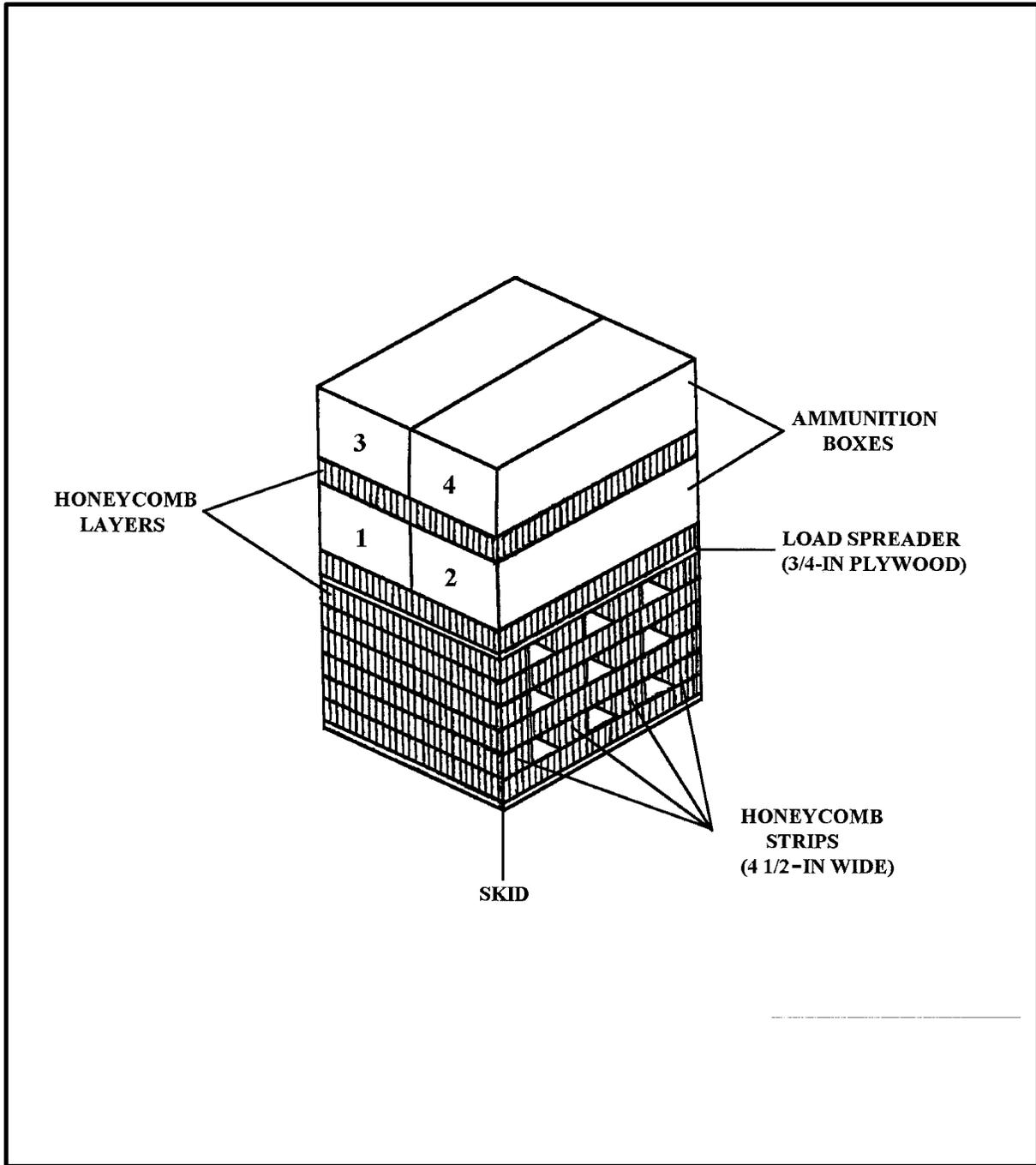


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-53.*

**4.2-Inch Ammunition**

Cartridge, 4.2-in, HE, w/o Fuze, (DODAC 1315-C697)

*Figure 3-53. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag high low-velocity airdrop*



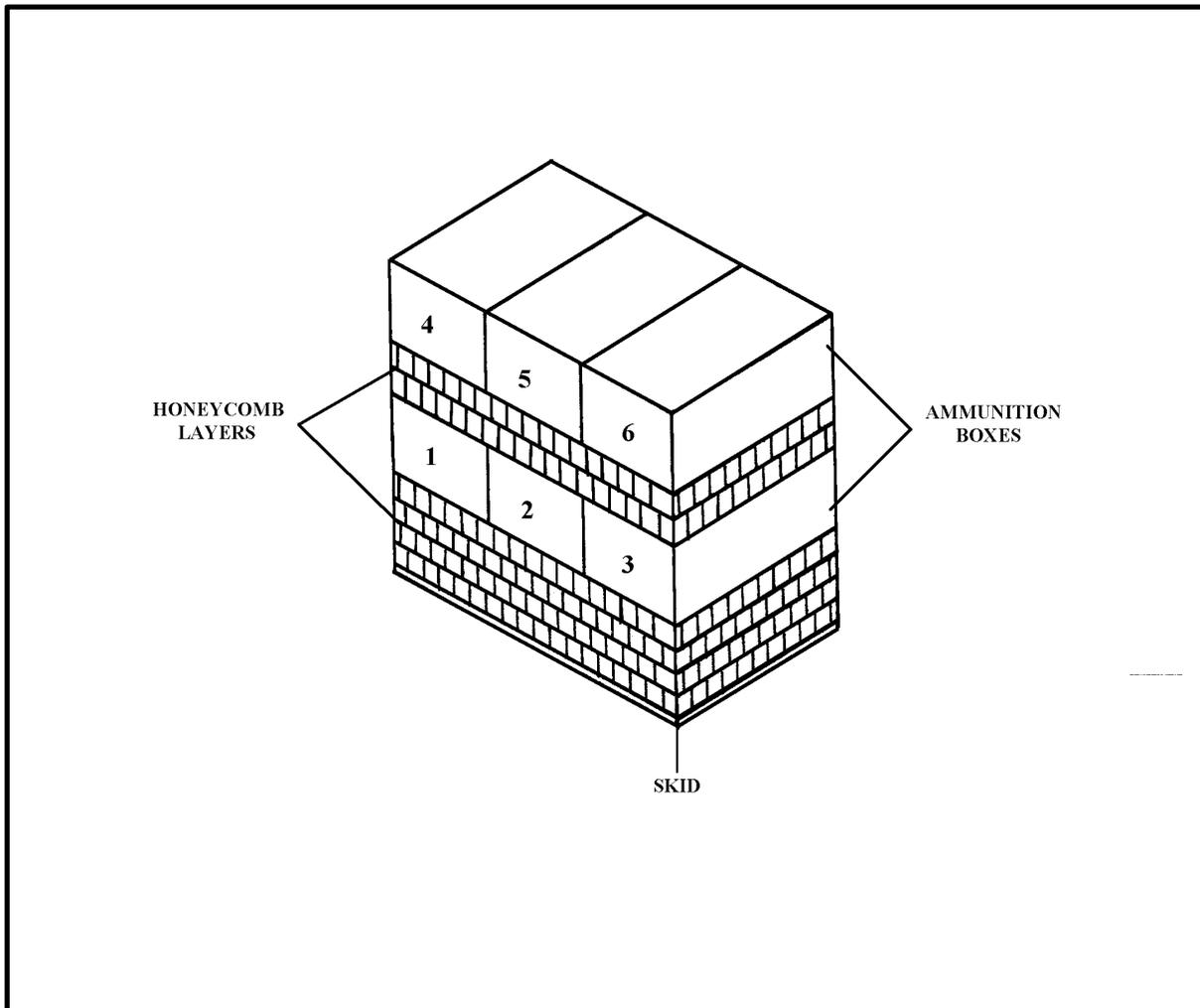
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-54.*

**120-Millimeter Ammunition**

Cartridge, 120-mm, HE, M57, (DODAC 1315-C788)

Cartridge, 120-mm, Illumination, M91, (DODAC 1315-C790)

*Figure 3-54. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-55.*

**152-Millimeter Ammunition**

Cartridge, 152-mm, TD-T, XM411E3, (DODAC 1320-D380)

**Demolition Items**

Charge, Demolition, Chain, M1, Eight 2 1/2-lb Telrytol Charge Strung on Detonating Cord, (DODAC 1375-M035)

Charge, Demolition, Block, M2, (DODAC 1375-M036)

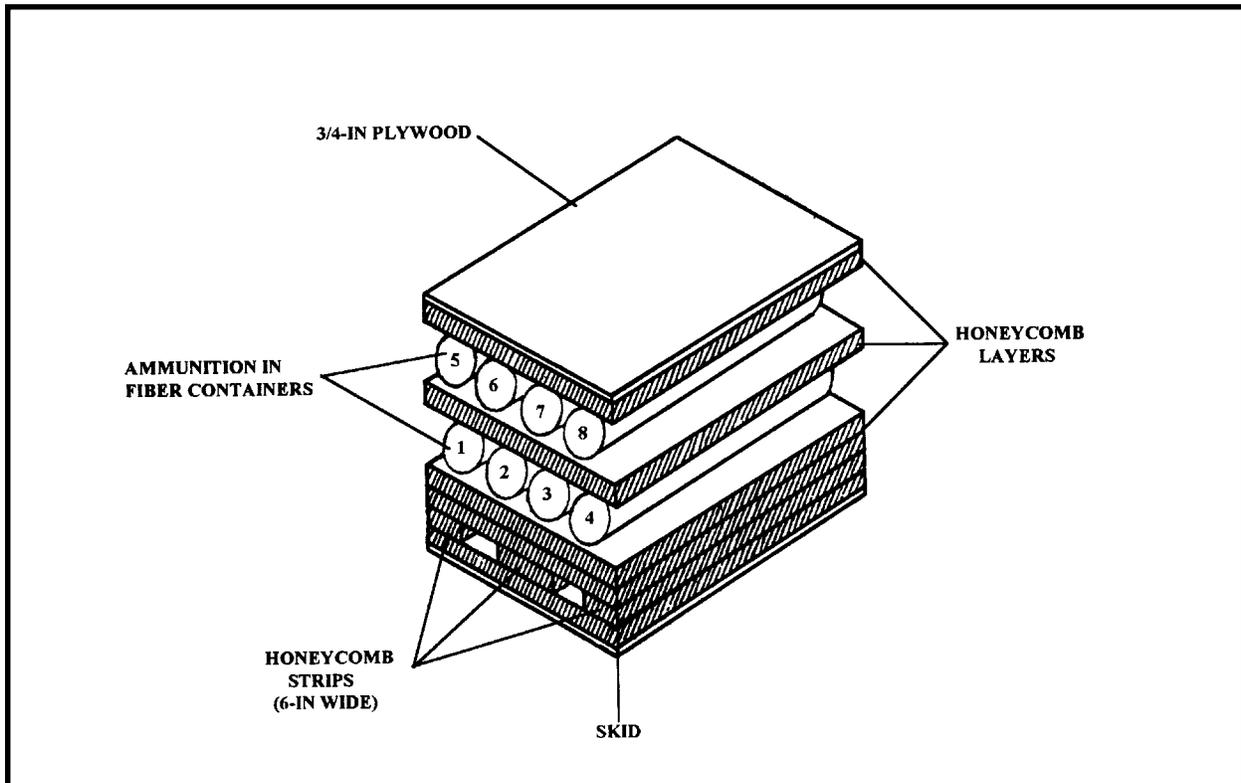
Charge, Demolition, Block, M541, (DODAC 1375-M038)

Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODAC 1375-M420)

Charge, Demolition, Shaped, 40-lb, M3, (DODAC 1375-M421)

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

*Figure 3-55. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-56.*

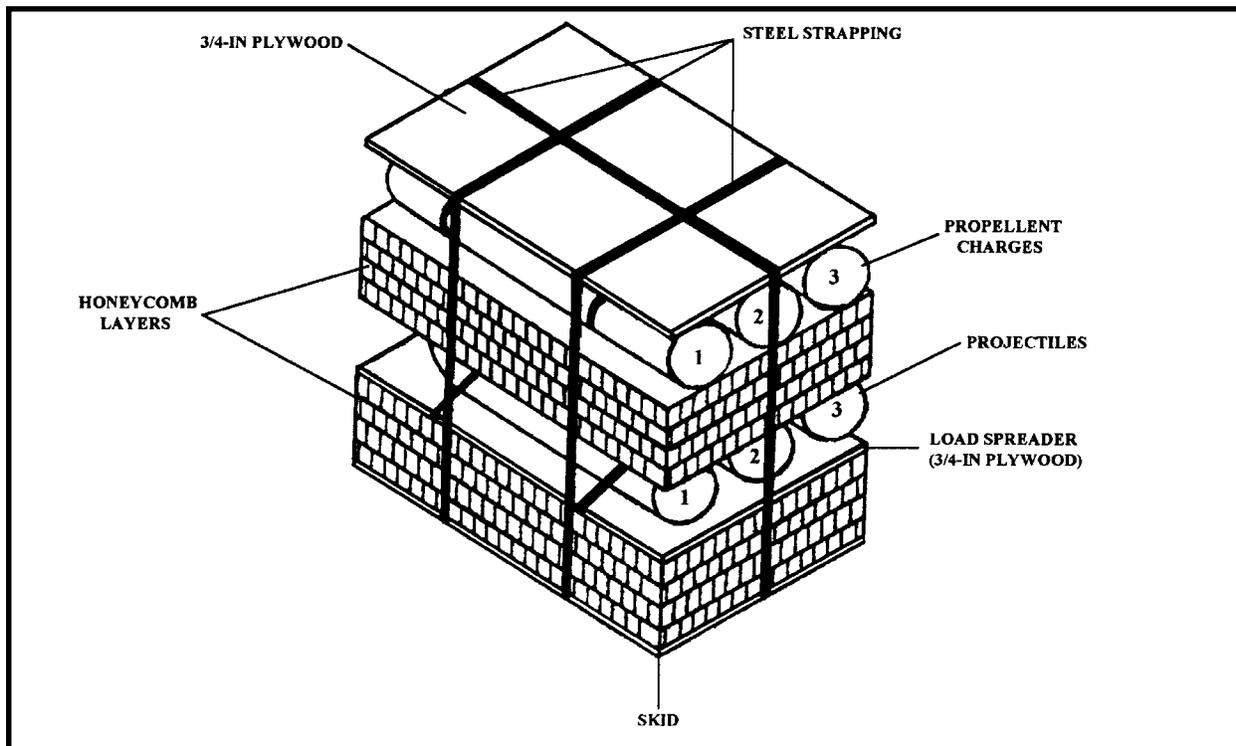
**105-Millimeter Ammunition  
(Rigging Fiber Containers)**

- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODAC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODAC 1315-C511)

**152-Millimeter Ammunition  
(Rigging Fiber Containers)**

- Cartridge, 152-mm, HEAT-MP, M409E6, (DODAC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODAC 1320-D390)

*Figure 3-56. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag high low-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-57.*

**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)

*Figure 3-57. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

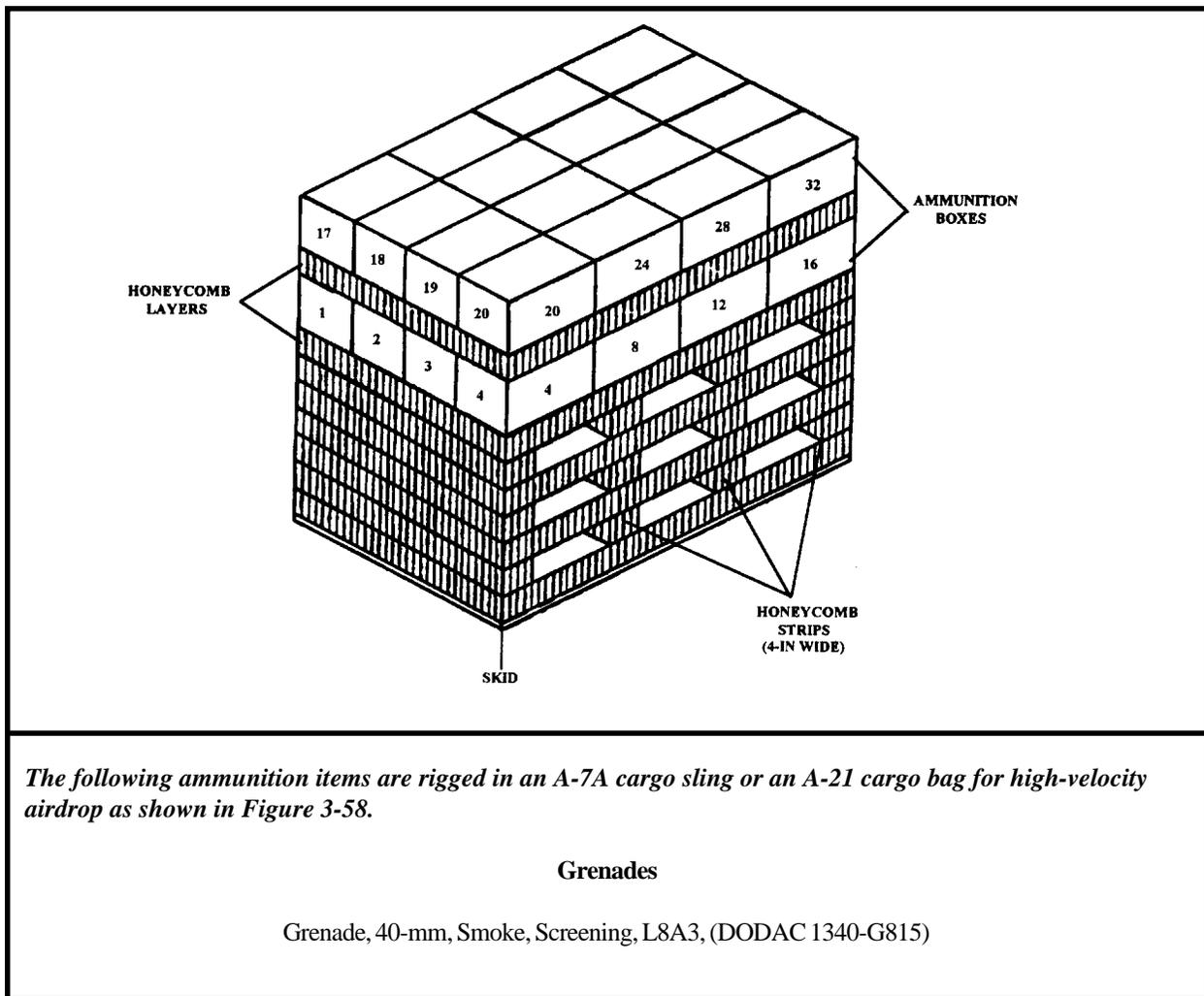
**155-Millimeter Ammunition**

\*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)  
Fuze, Delay, Mod 1, PD, Mk399, (DODAC 1390-N659)

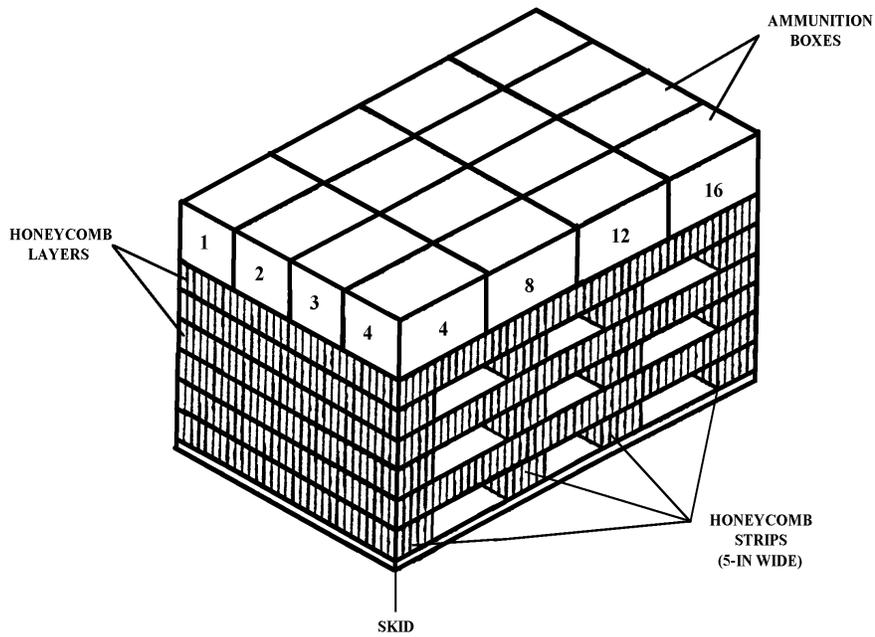
**Note:** The required fuzes and primers may be rigged as part of the load;  
however, only those fuzes and primers listed in Table 1-3 are authorized  
to be airdropped.

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

*Figure 3-57. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop  
(continued)*



*Figure 3-58. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

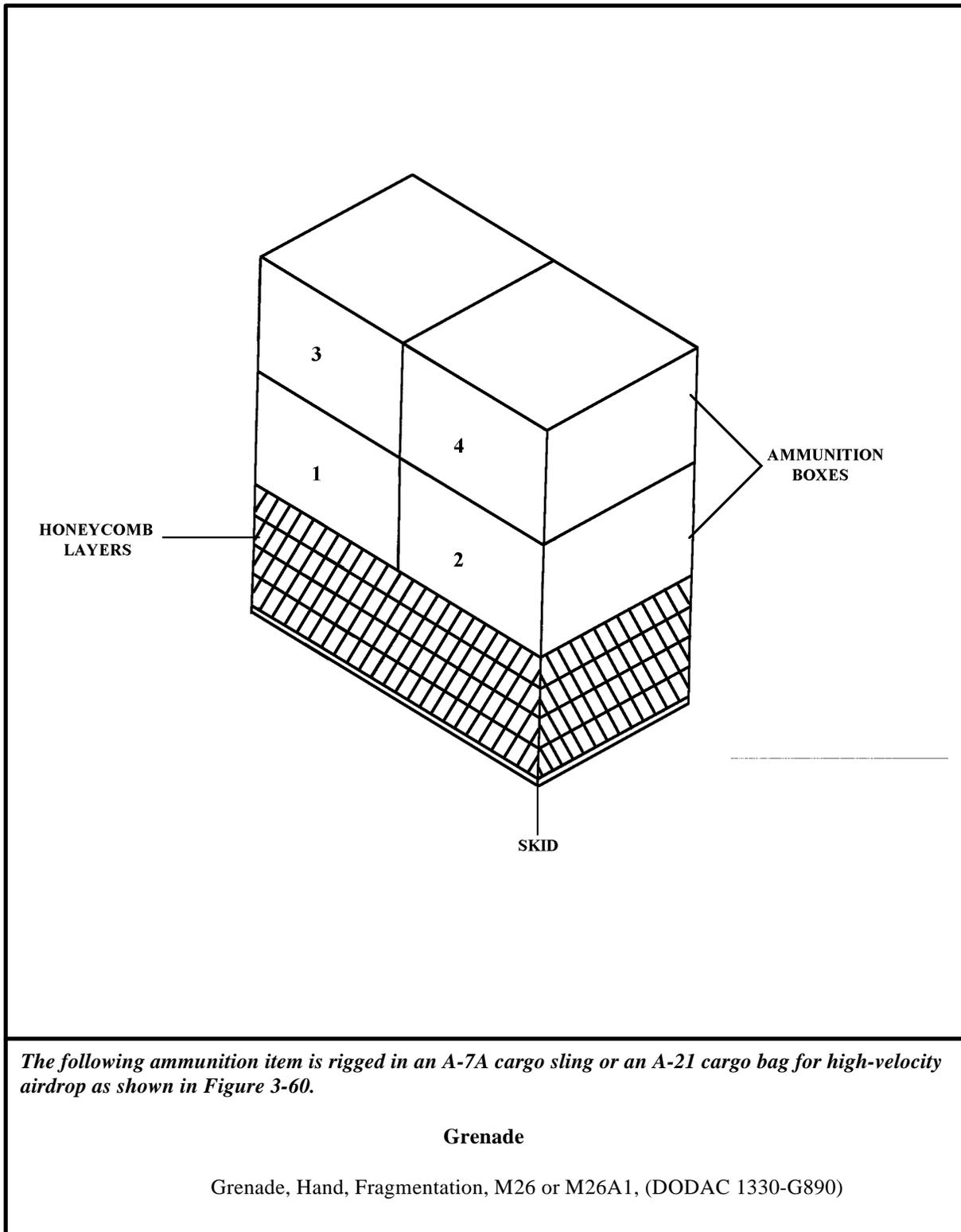


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-59.*

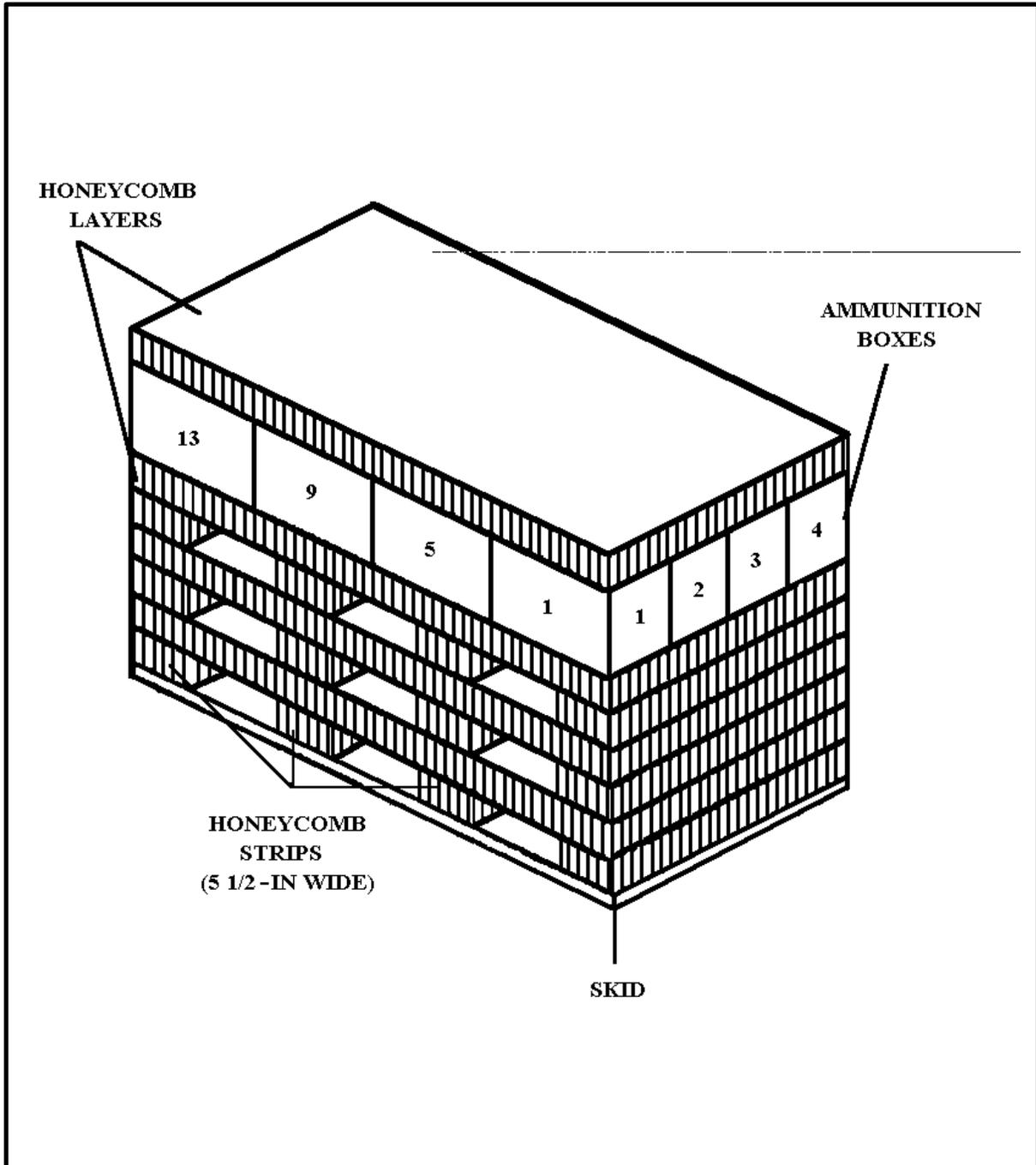
**Grenades**

Launcher, Grenade, 40-mm, Smoke, IR Screening, M76, (DODAC 1330-G826)

*Figure 3-59. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*Figure 3-60. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

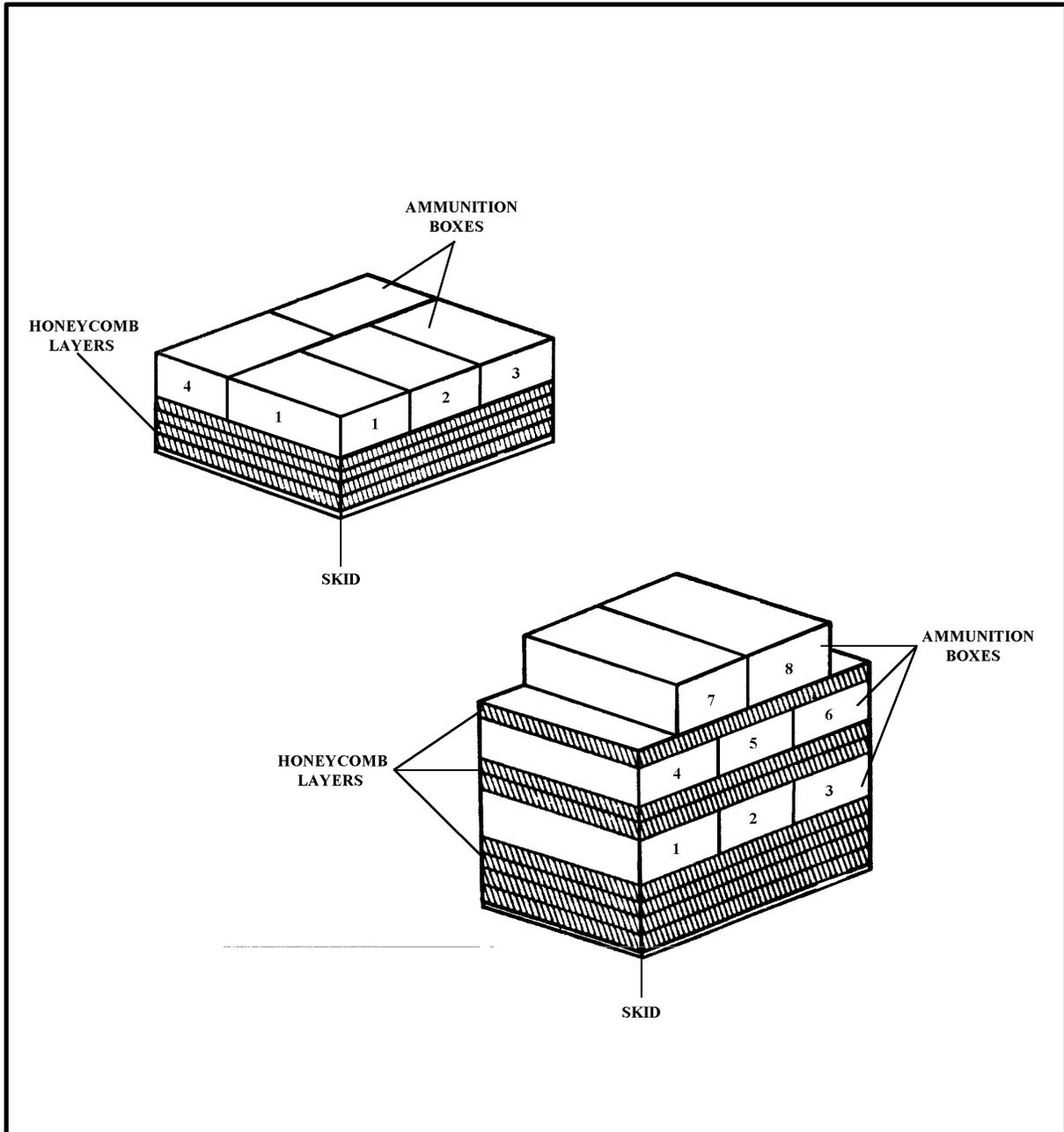


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-61.*

**Grenades**

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

*Figure 3-61. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

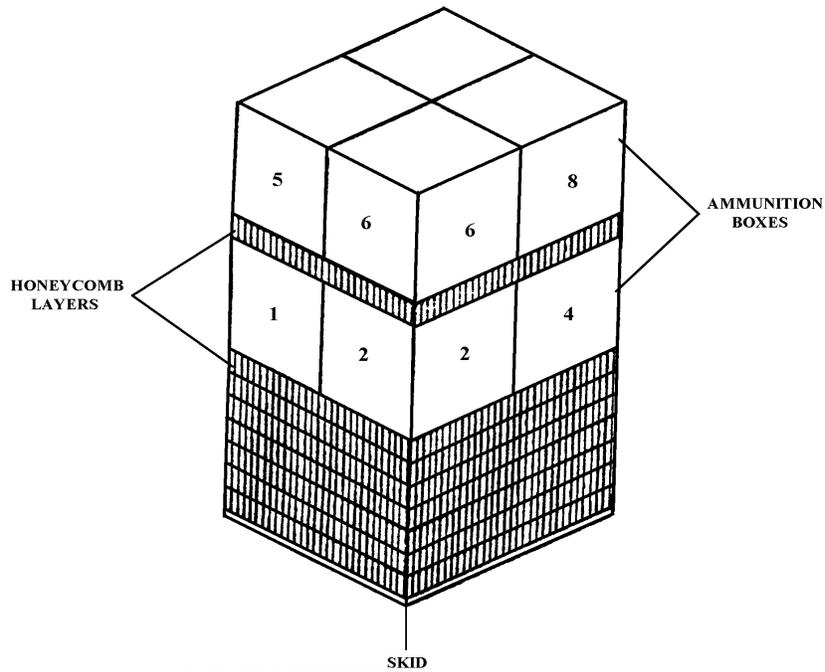


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-62.*

**Mine**

Mine, Antipersonnel, M16A1 with Fuze M605, (DODAC 1345-K092)

*Figure 3-62. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

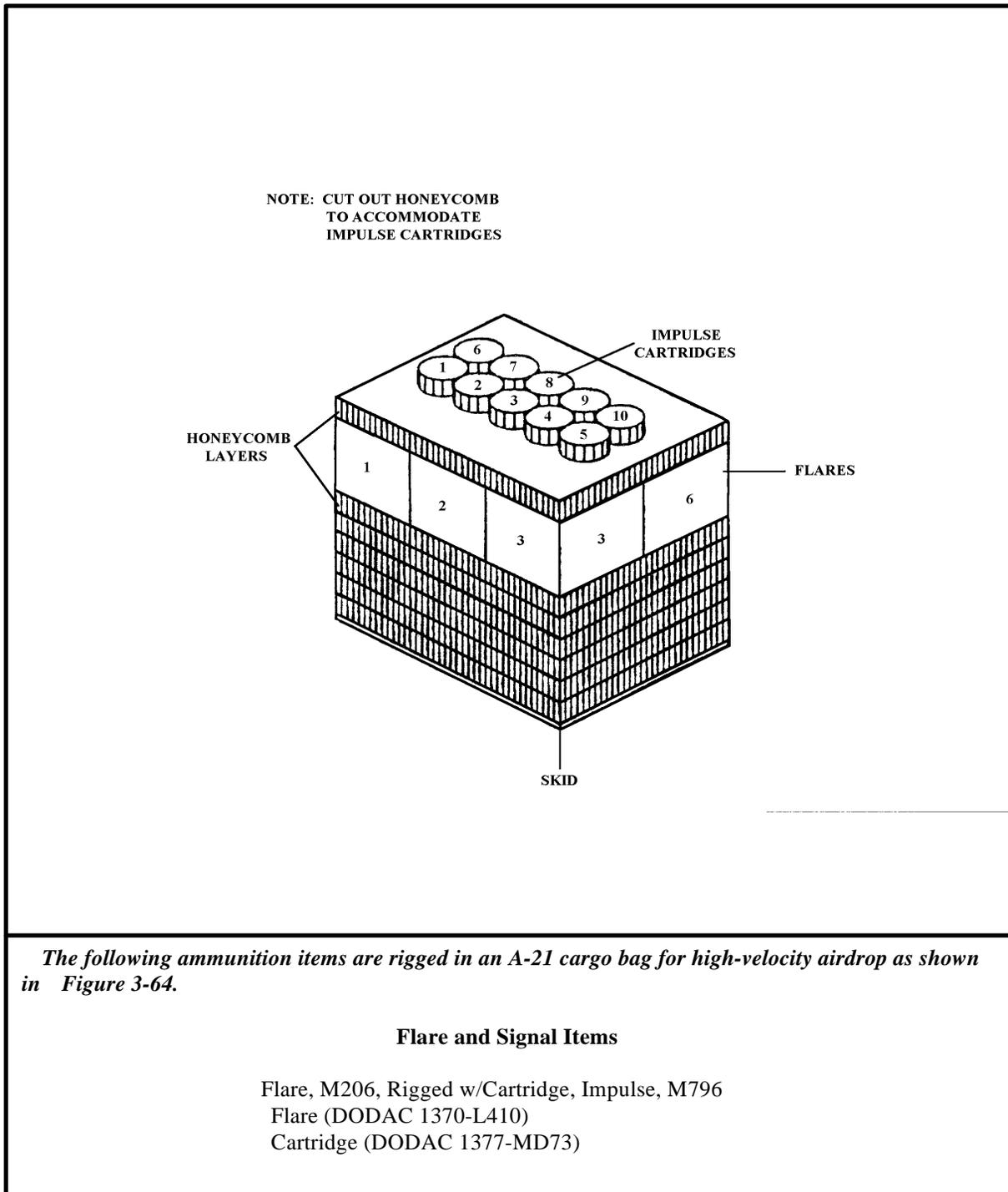


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-63.*

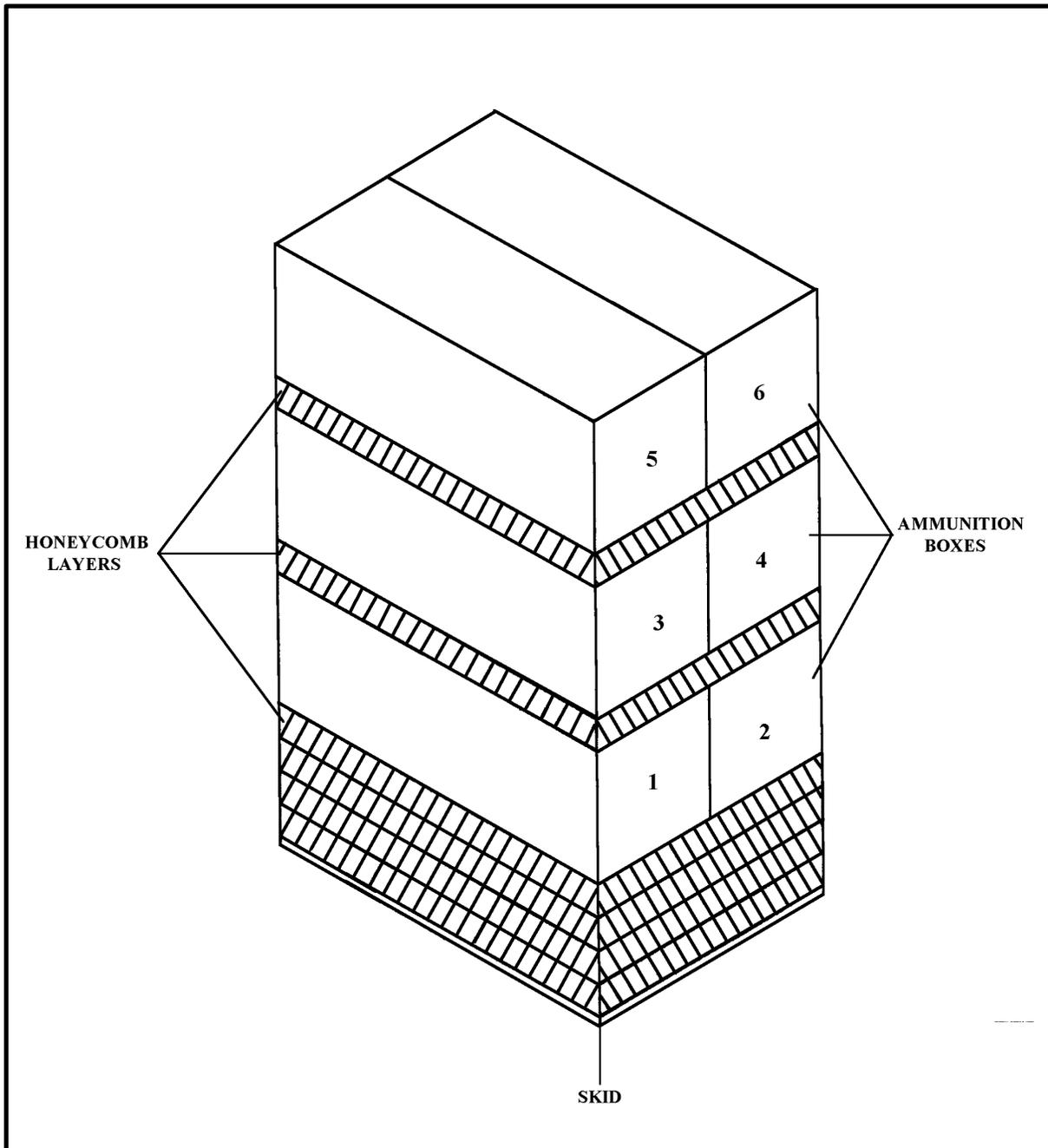
**Incendiary Items**

Smoke Pot, Floating, HC, M4A2, (DODAC 1365-K867)

*Figure 3-63. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*Figure 3-64. Ammunition layout in an A-21 cargo bag for high-velocity airdrop*



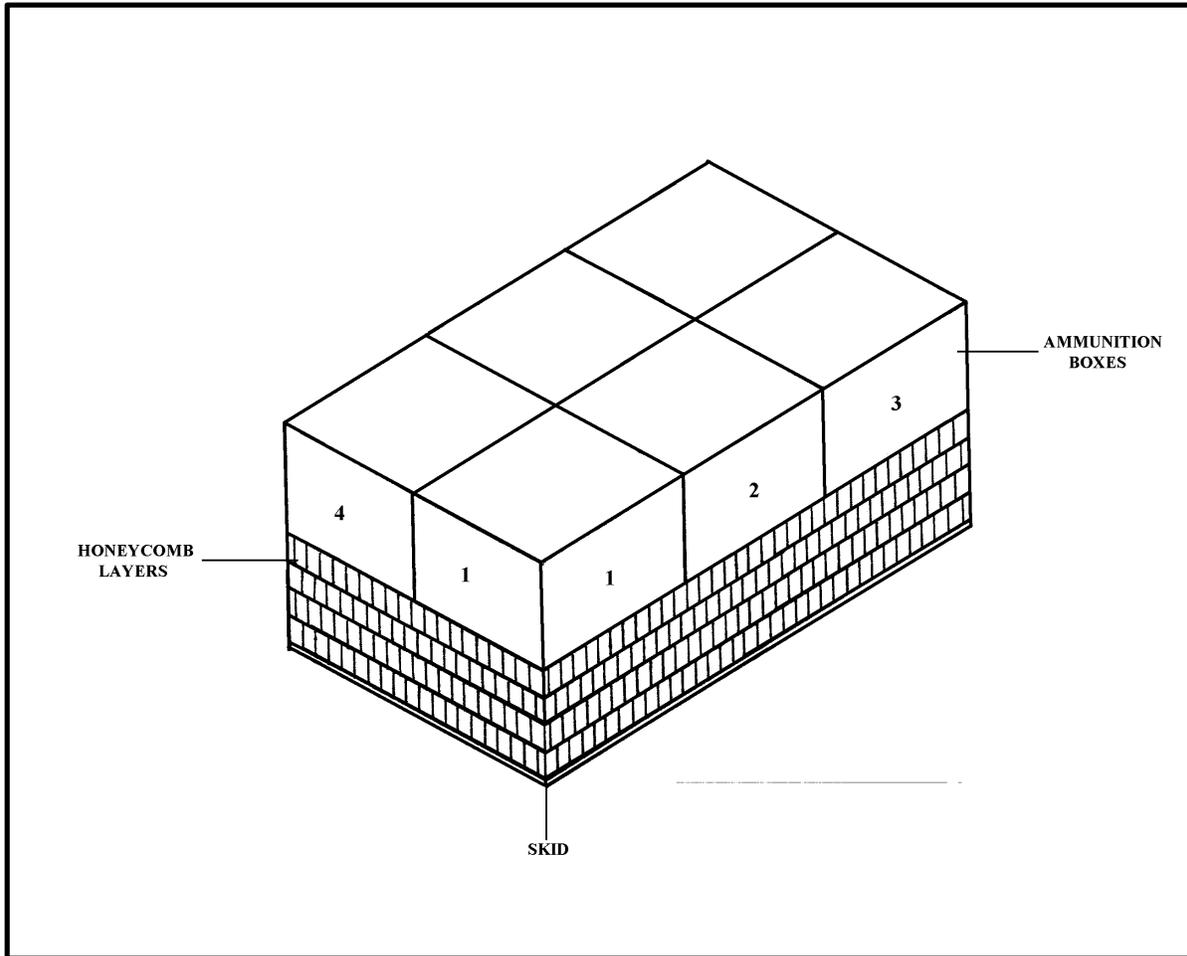
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-65.*

**Demolition Items**

Cord, Detonating, Reinforced Pliofilm/Wrapped, Waterproof, Type I,  
(DODAC 1375-M456)

Firing Device, Demolition, M1A1, Pressure Type, (DODAC 1375-M626)

*Figure 3-65. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-66.*

**Note:** Dropping these items as a single item load may not be practical; however, they can be contained in an A-7A cargo sling or an A-21 cargo bag with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-7A cargo sling or an A-21 cargo bag are determined by the dimensions and weight of the individual ammunition container.

**Fuzes**

**Caution**

When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes should not be used.

- Fuze, MT, M565, (DODAC 1390-N248)
- Fuze, MTSQ, M500 or M500A1, (DODAC 1390-N275)
- Fuze, MTSQ, M501 or M501A1, (DODAC 1390-N276)

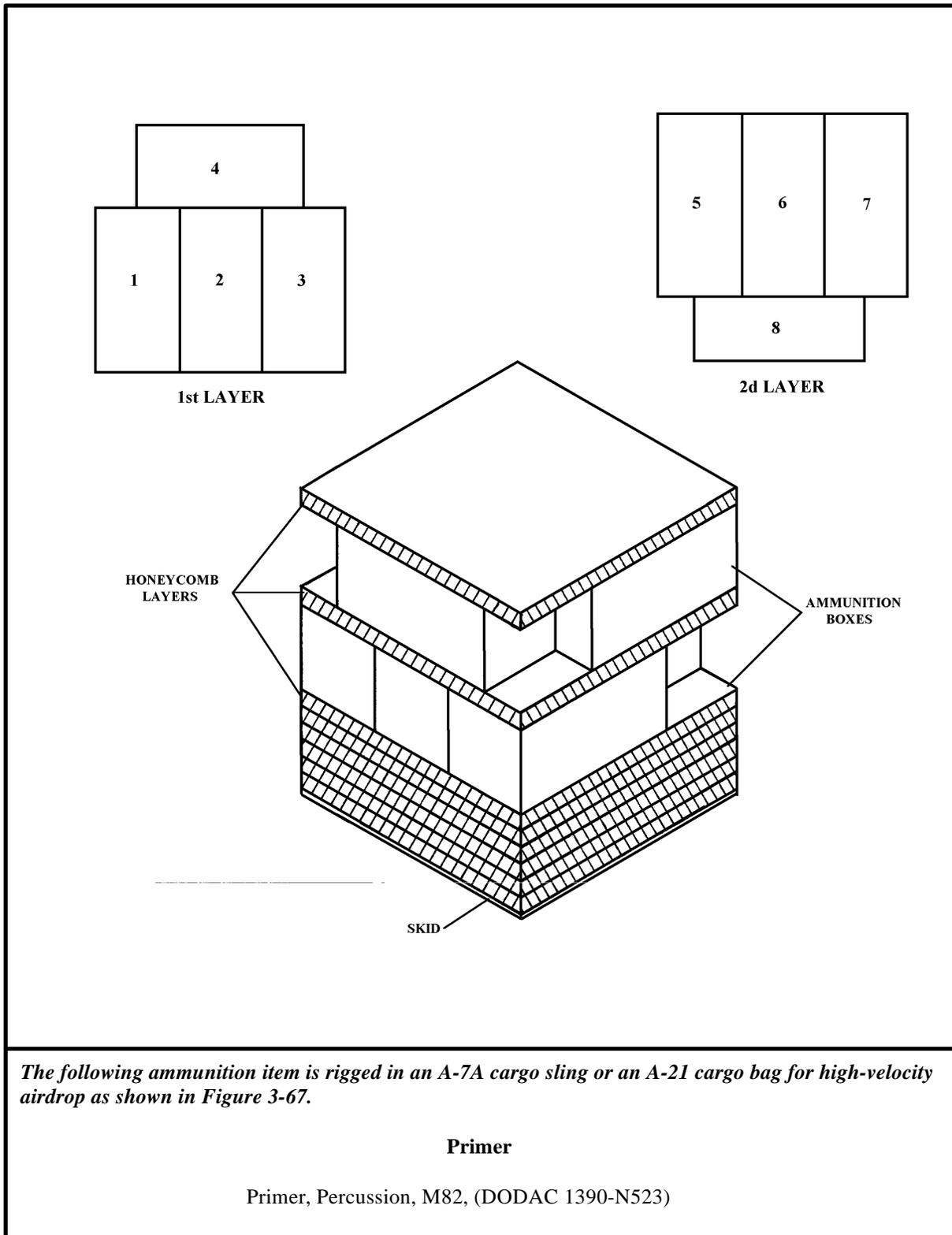
*Figure 3-66. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

Fuze, MT, M564, (DODAC 1390-N278)  
Fuze, MTSQ, M520, (DODAC 1390-N280)  
Fuze, MTSQ, M577, (DODAC 1390-N285)  
Fuze, MTSQ, M582A1, (DODAC 1390-N286)  
Fuze, PD, M572, (DODAC 1390-N311)  
Fuze, PD, M48A3, (DODAC 1390-N318)  
Fuze, PD, M535, (DODAC 1390-N323)  
Fuze, PD, M557, (DODAC 1390-N335)  
Fuze, PD, M739, (DODAC 1390-N340)  
Fuze, Proximity, M532, (DODAC 1390-N402)  
Fuze, Proximity, M514, M514A1, or M514B1 (DODAC 1390-N411)  
Fuze, Proximity, M513A1 or M513B1, (DODAC 1390-N412)  
Fuze, Proximity, M517, (DODAC 1390-N417)  
Fuze, Proximity, M728, (DODAC 1390-N463)  
Fuze, Proximity, M514A1, (DODAC 1390-N477)

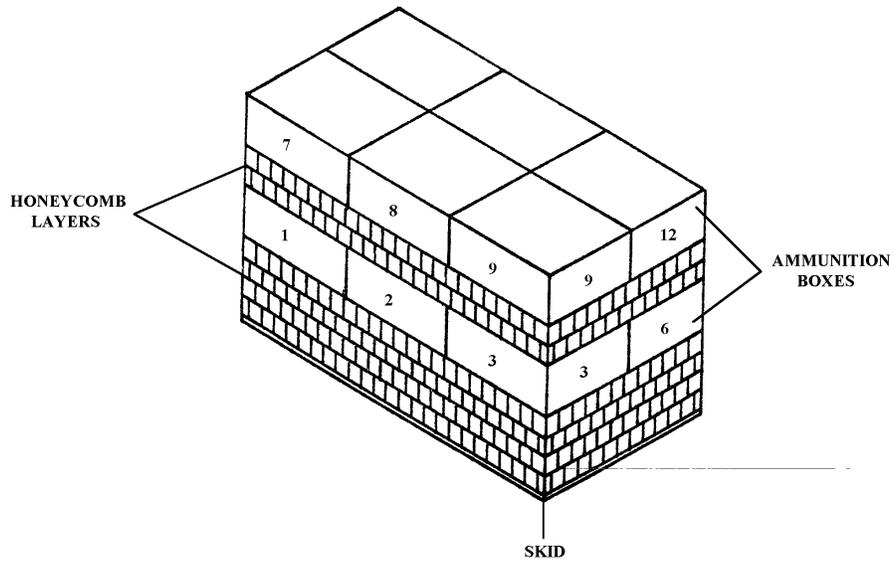
**Incendiary Items**

Smoke Pot, Hexachloroethane, M5, (DODAC 1365-K866)

*Figure 3-66. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop (continued)*



*Figure 3-67. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

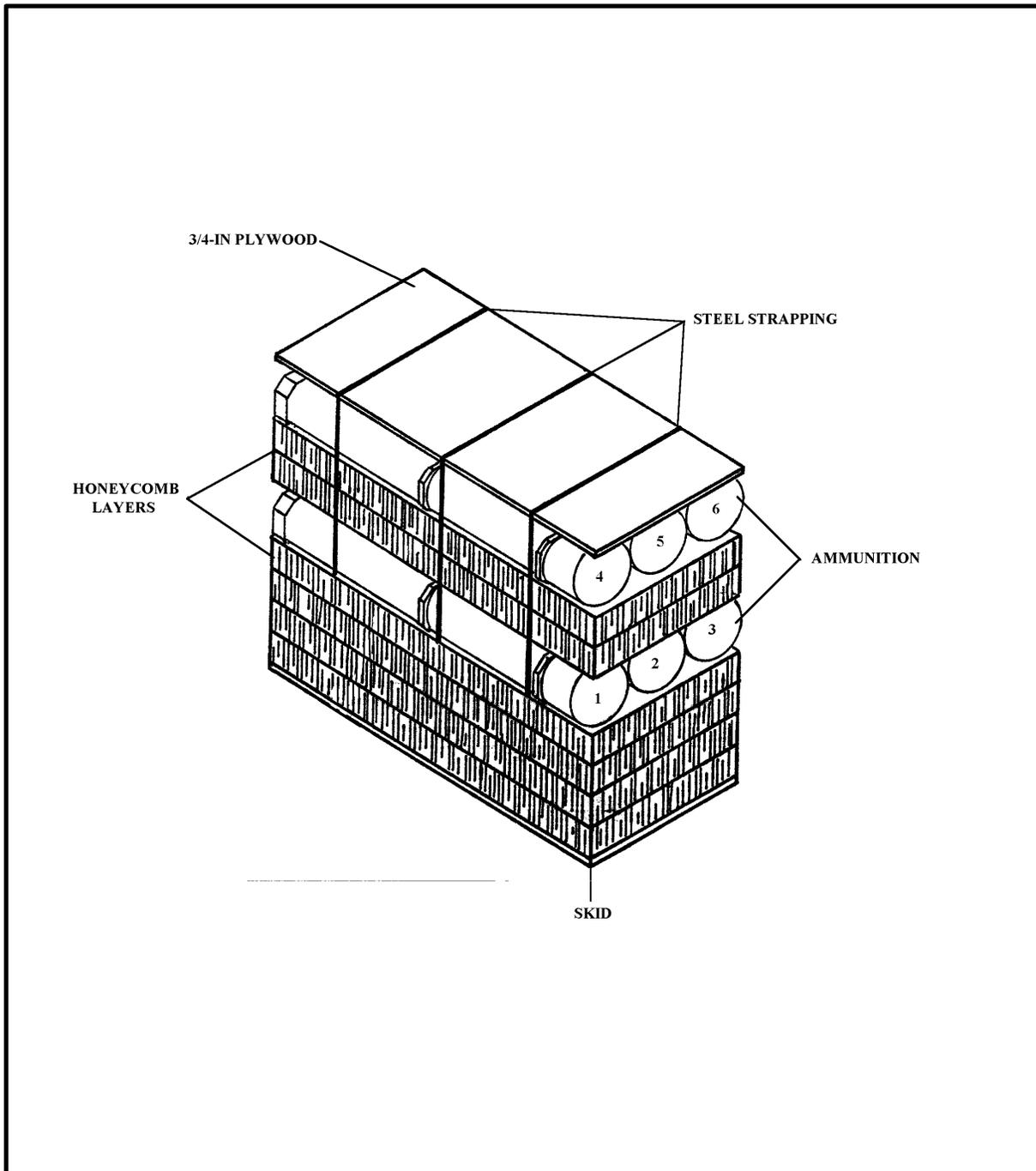


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-68.*

**Primer**

Primer, Percussion, MK2A4, (DODAC 1390-N525)

*Figure 3-68. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

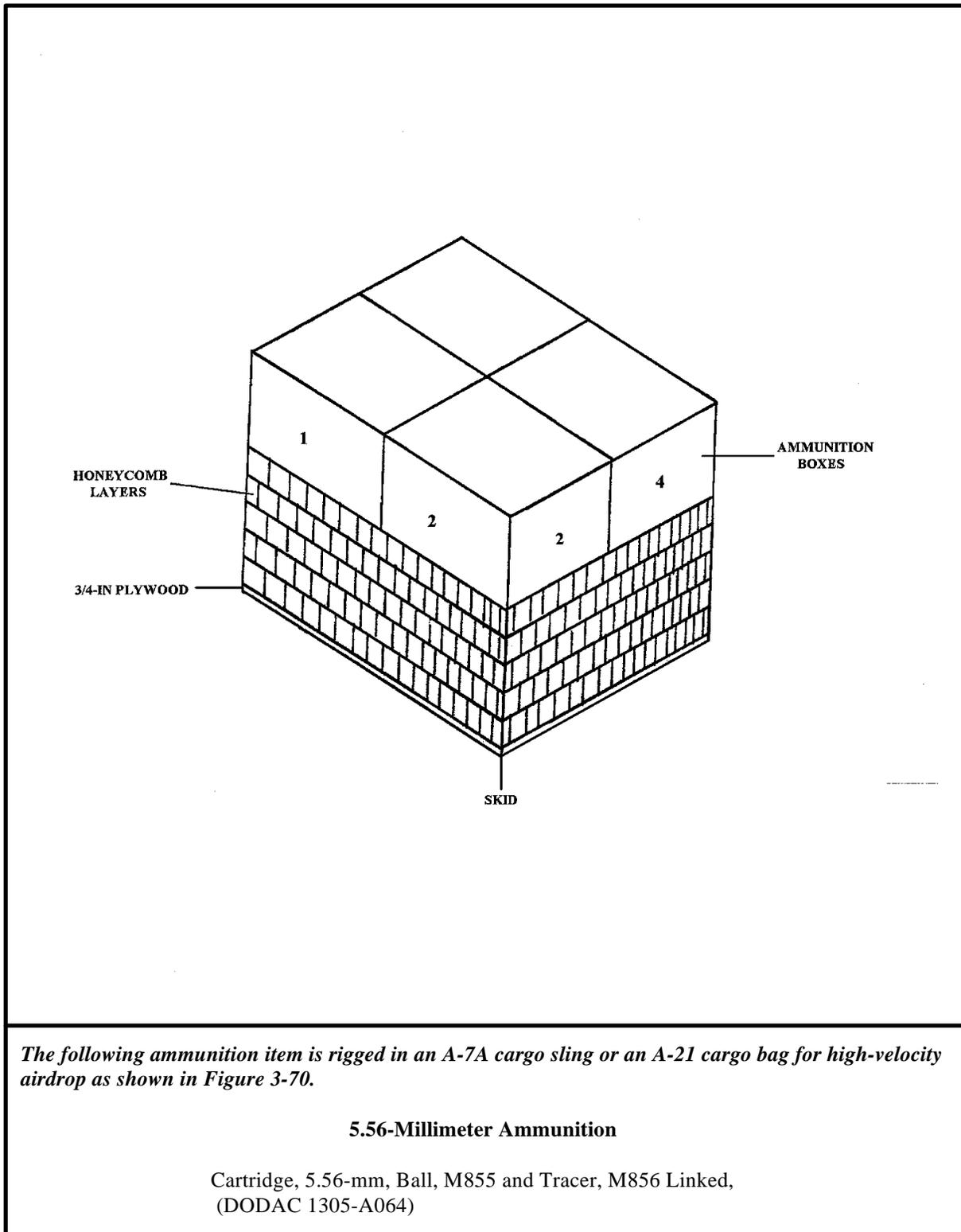


*The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-69.*

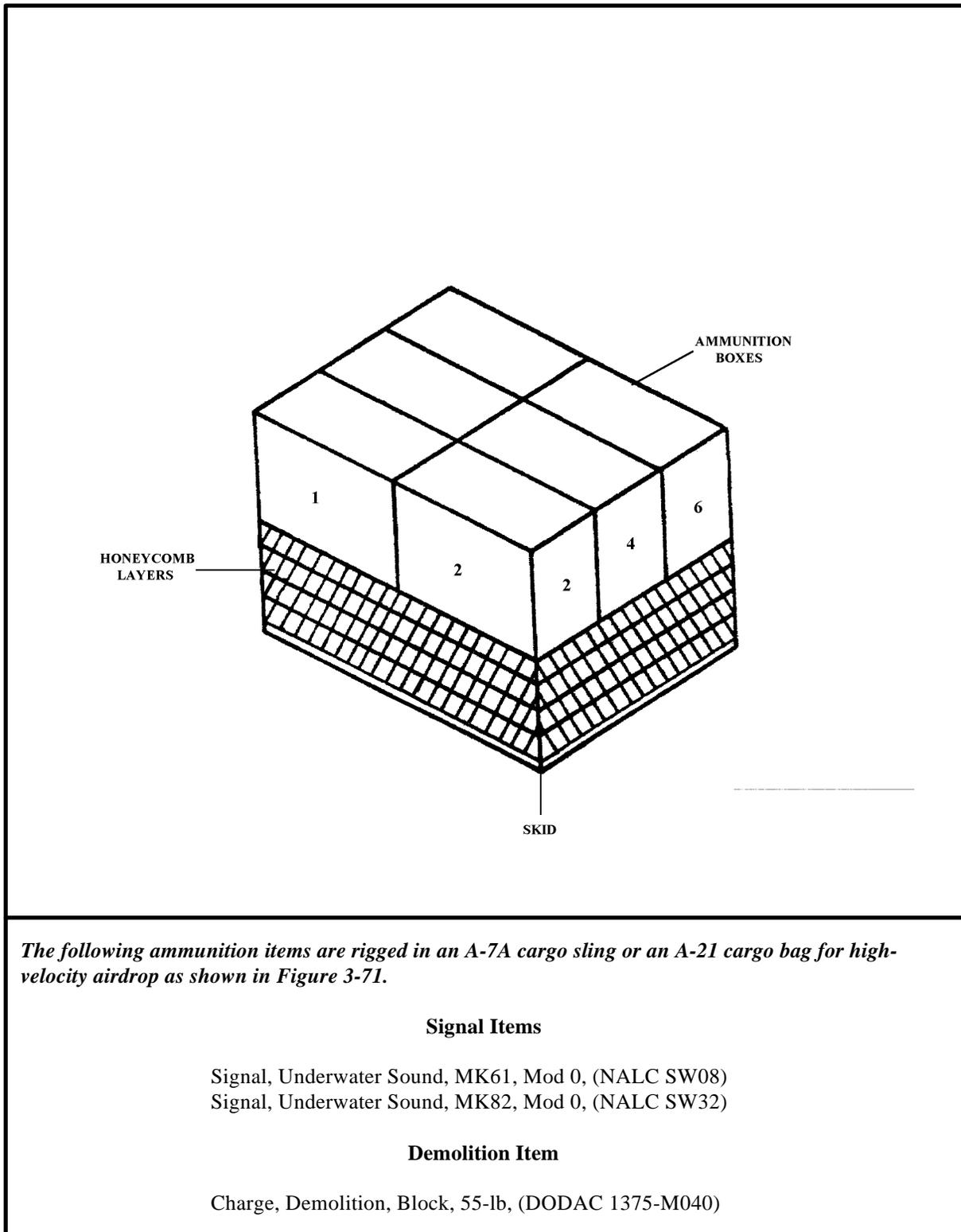
**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, M833, (DODAC 1315-C524)

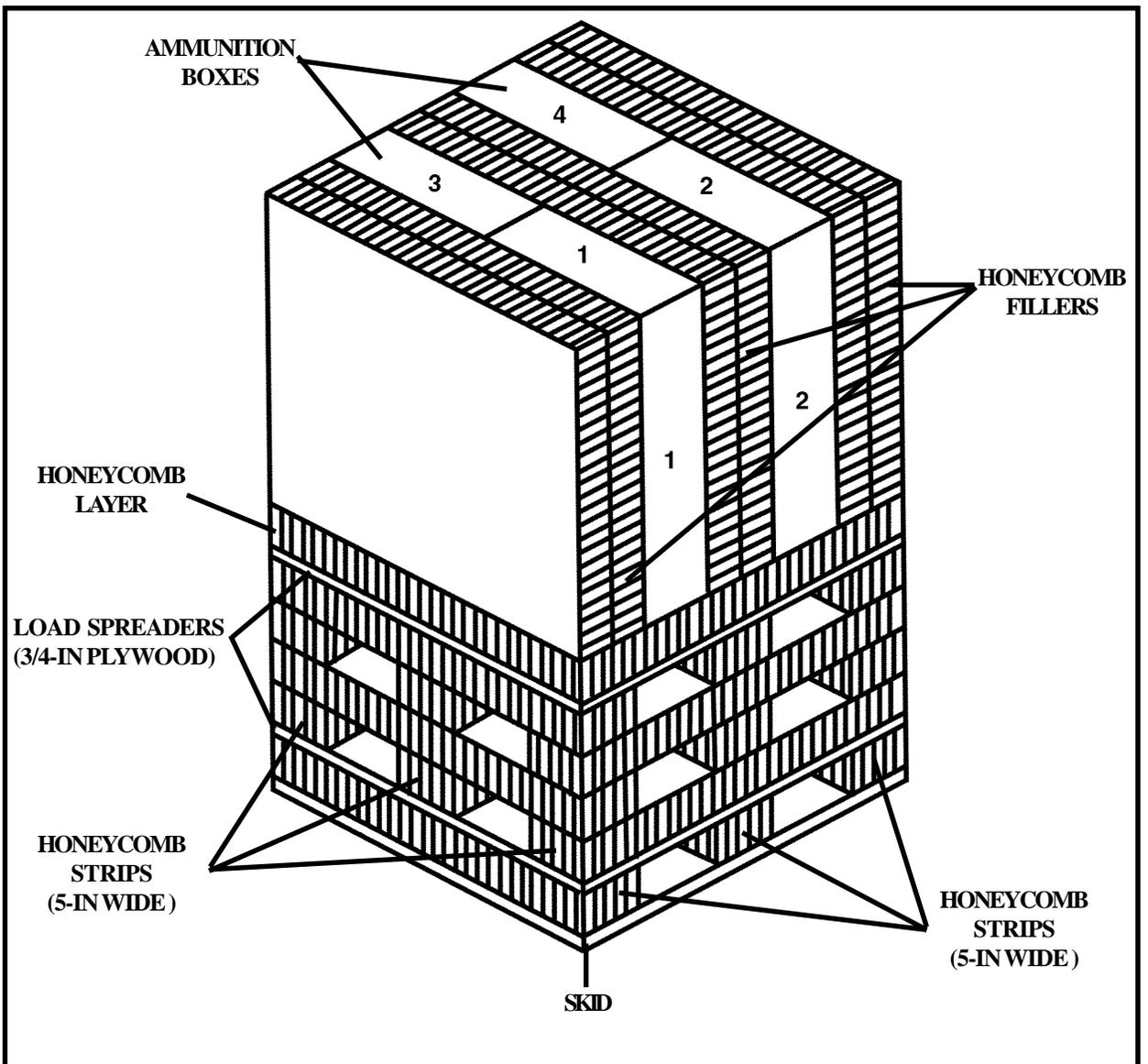
*Figure 3-69. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*Figure 3-70. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*Figure 3-71. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



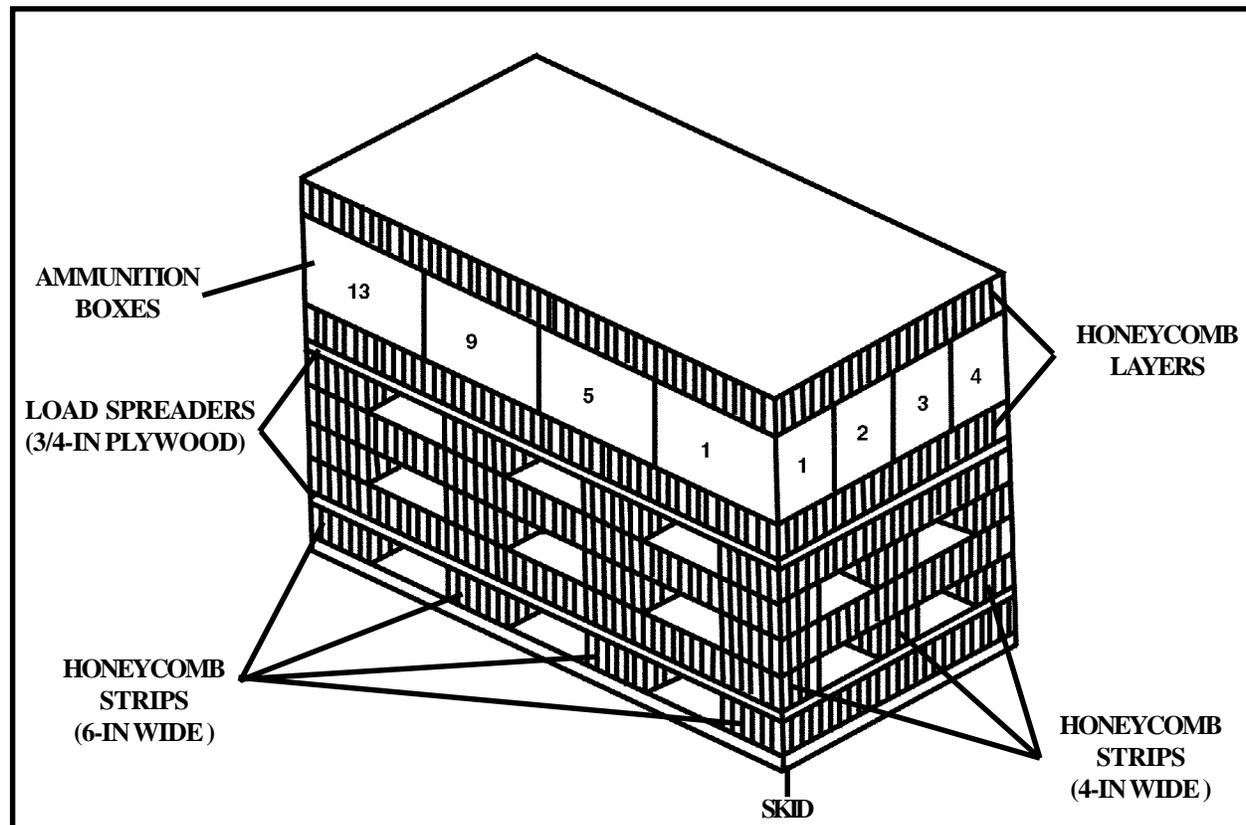
*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-72.*

**81-Millimeter Ammunition**

Cartridge, 81-mm, HE, M821A1, with Fuze M734A1, (DODAC 1315-C868)

Cartridge, 81-mm, HE, M889A1, (DODAC 1315-C869)

*Figure 3-72. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

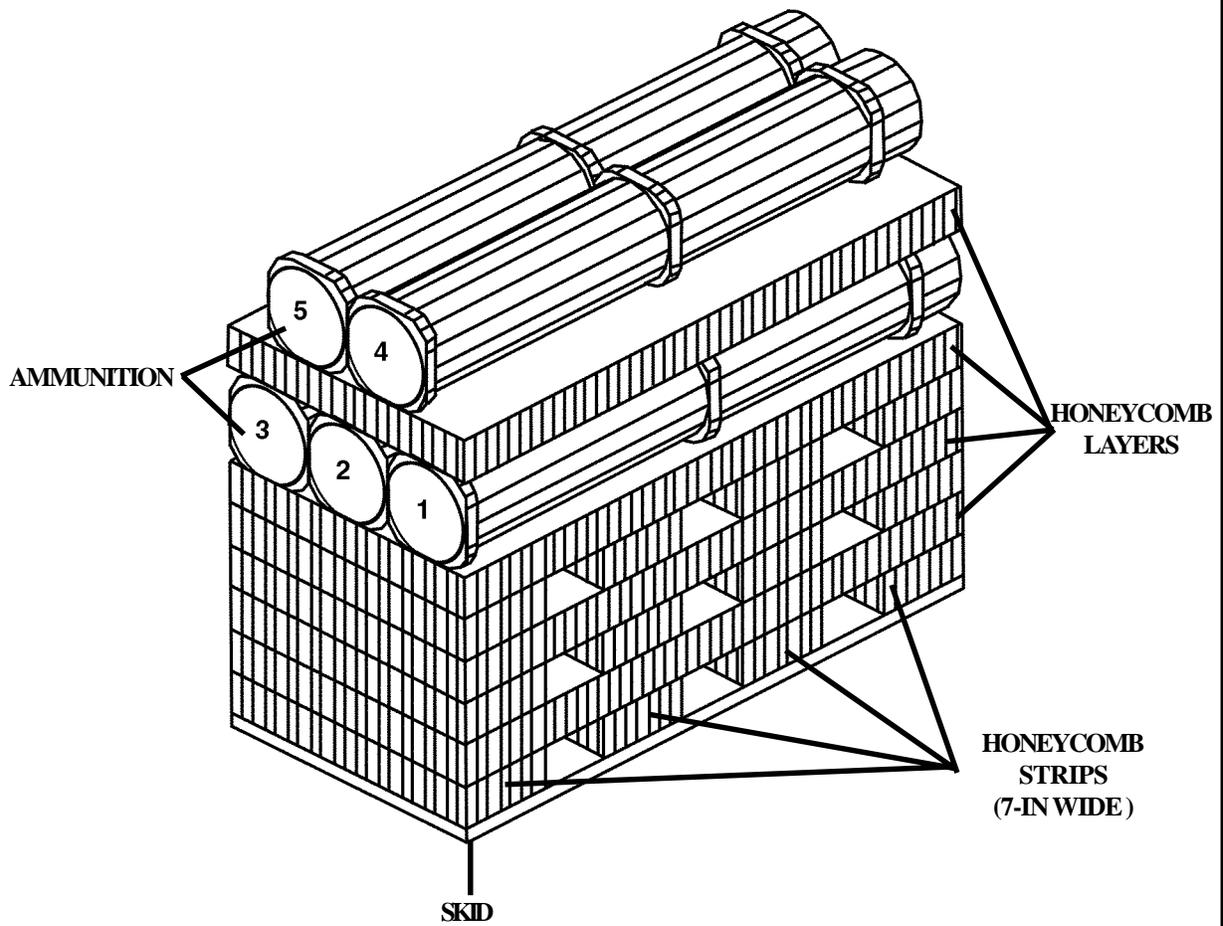


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-73.*

**Grenades**

Launcher, Grenade, Smoke, Screening, TA, M90, (DODAC 1315-C868)

*Figure 3-73. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

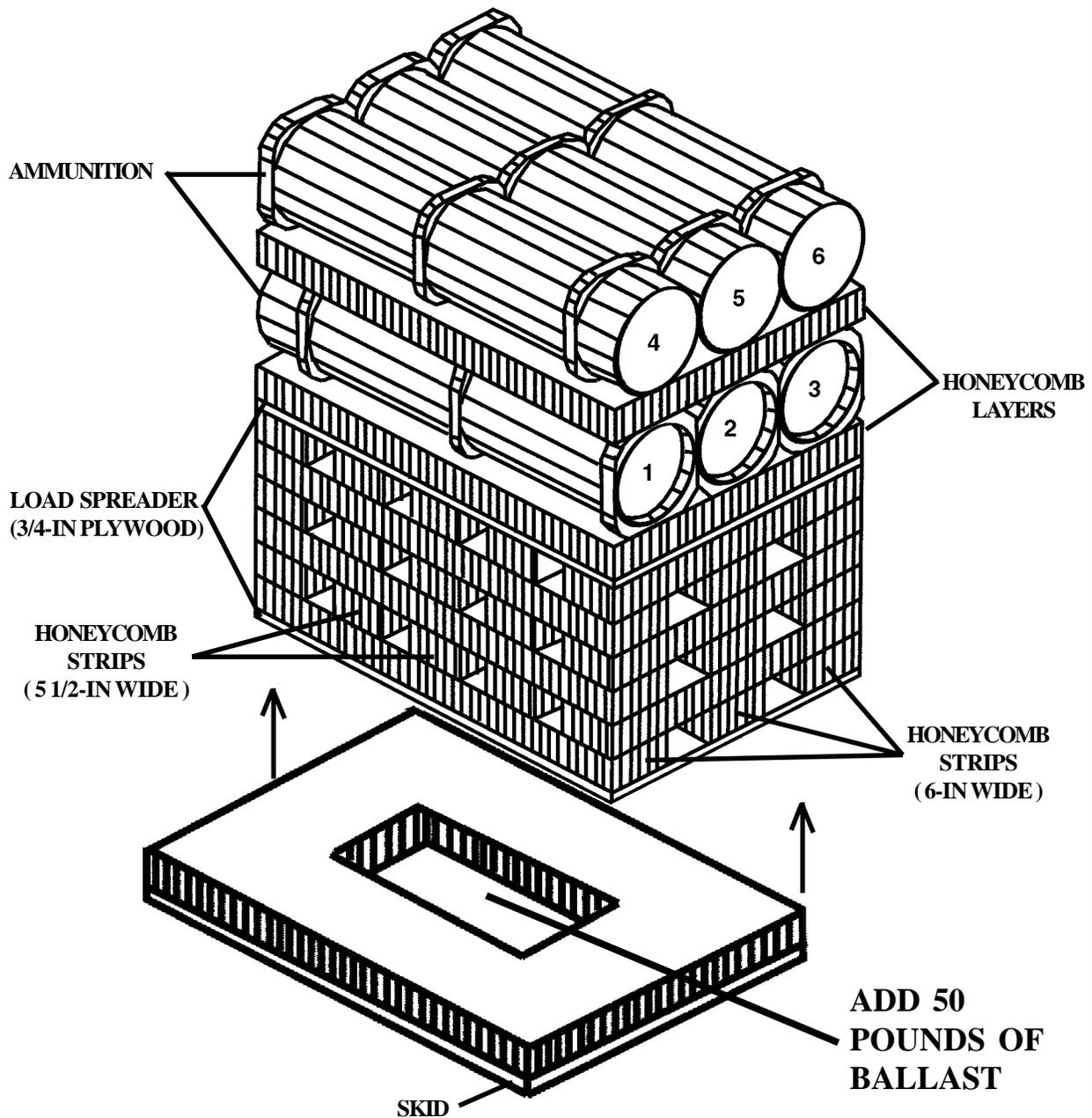


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-74.*

**105-Millimeter Ammunition**

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

*Figure 3-74. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

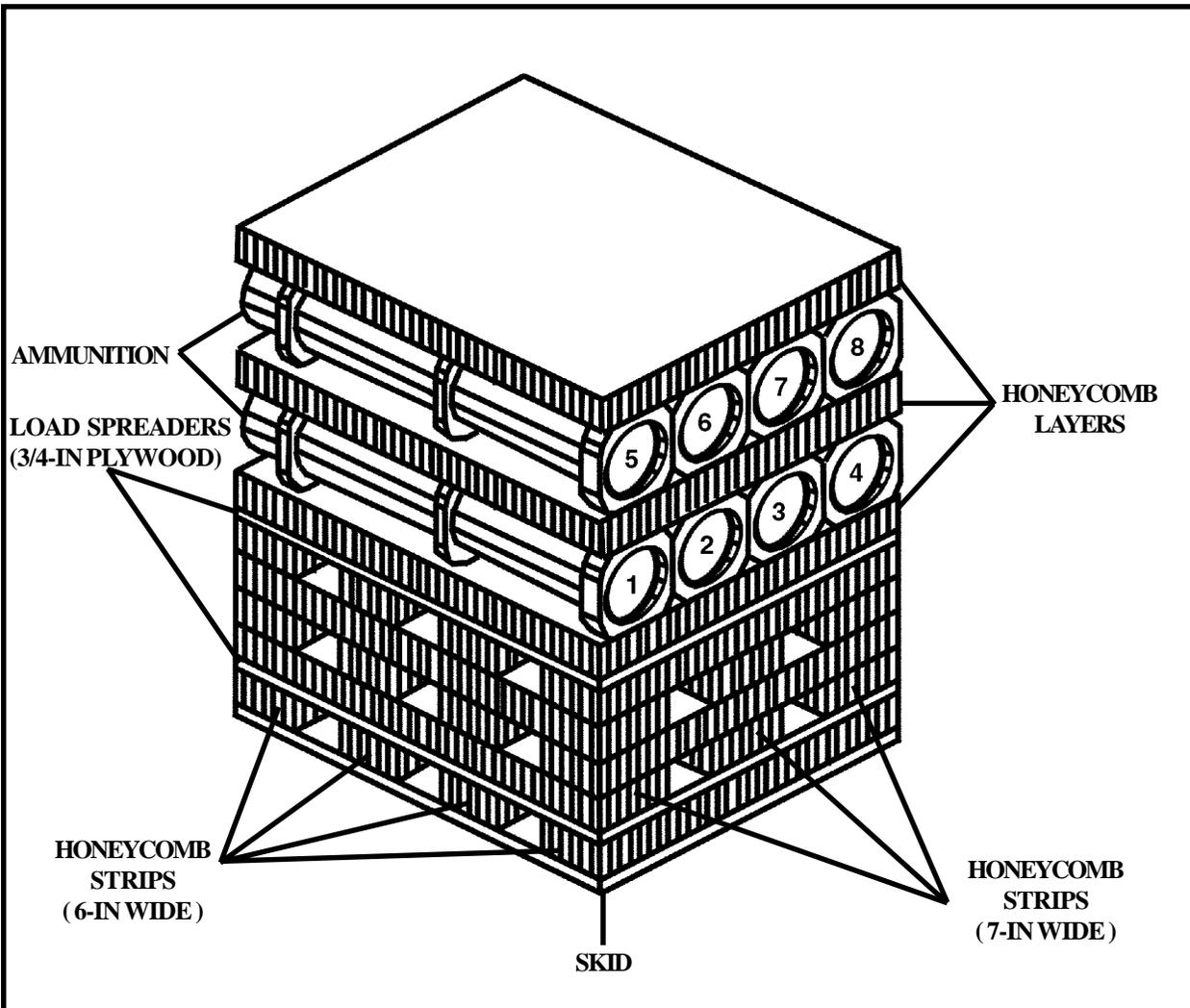


The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-75.

**Rockets**

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

Figure 3-75. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-76.*

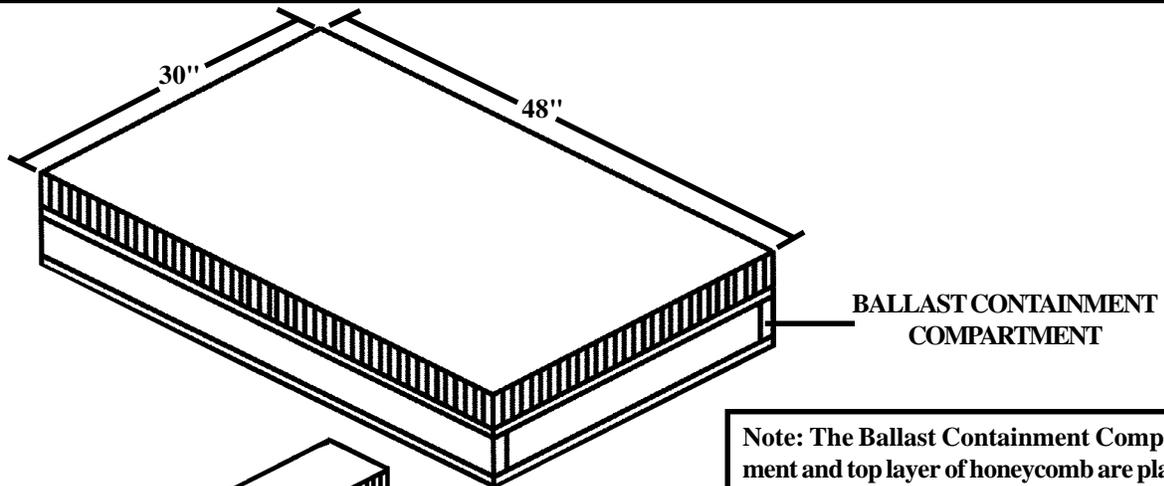
**Demolition Item**

Demolition Kit, Fighting Position Excavator, M300, (DODAC 1340-HA08)

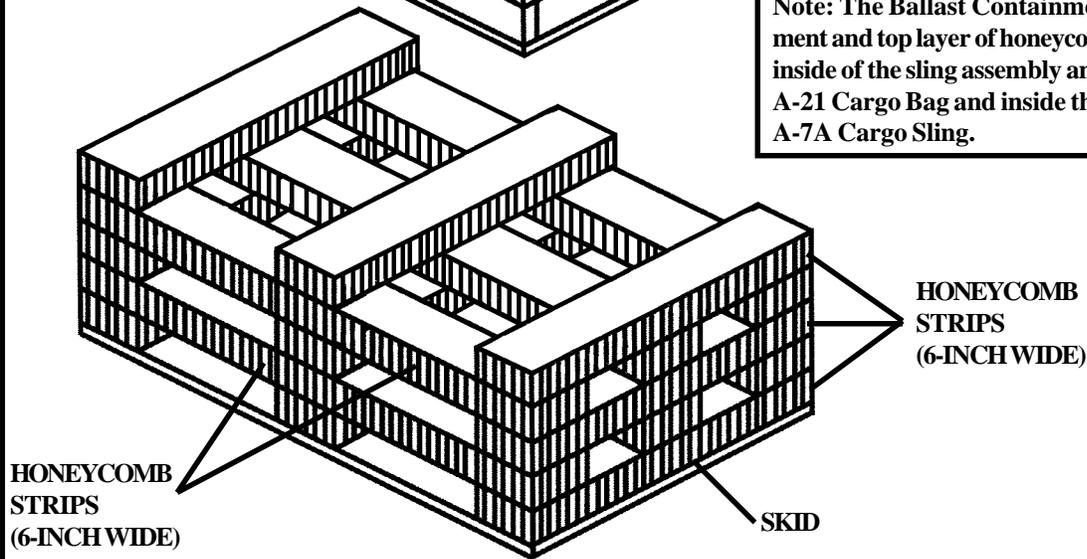
*Figure 3-76. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

**CAUTIONS**

1. The suspended weight of this load must be between 295 pounds and 305 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-21 Cargo Bag and inside the straps of an A-7A Cargo Sling.



**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 27-inch lumber, and two pieces of 30-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 56 pounds.
2. The combined weight of the BCC, Ballast, and the Modernized Demolition Initiator (MDI) items must be between 295 and 305 pounds.

*Figure 3-77. Honeycomb stack and rigging steps for MDI munitions in an A-7A cargo sling or an A-21 cargo bag for high velocity airdrop*

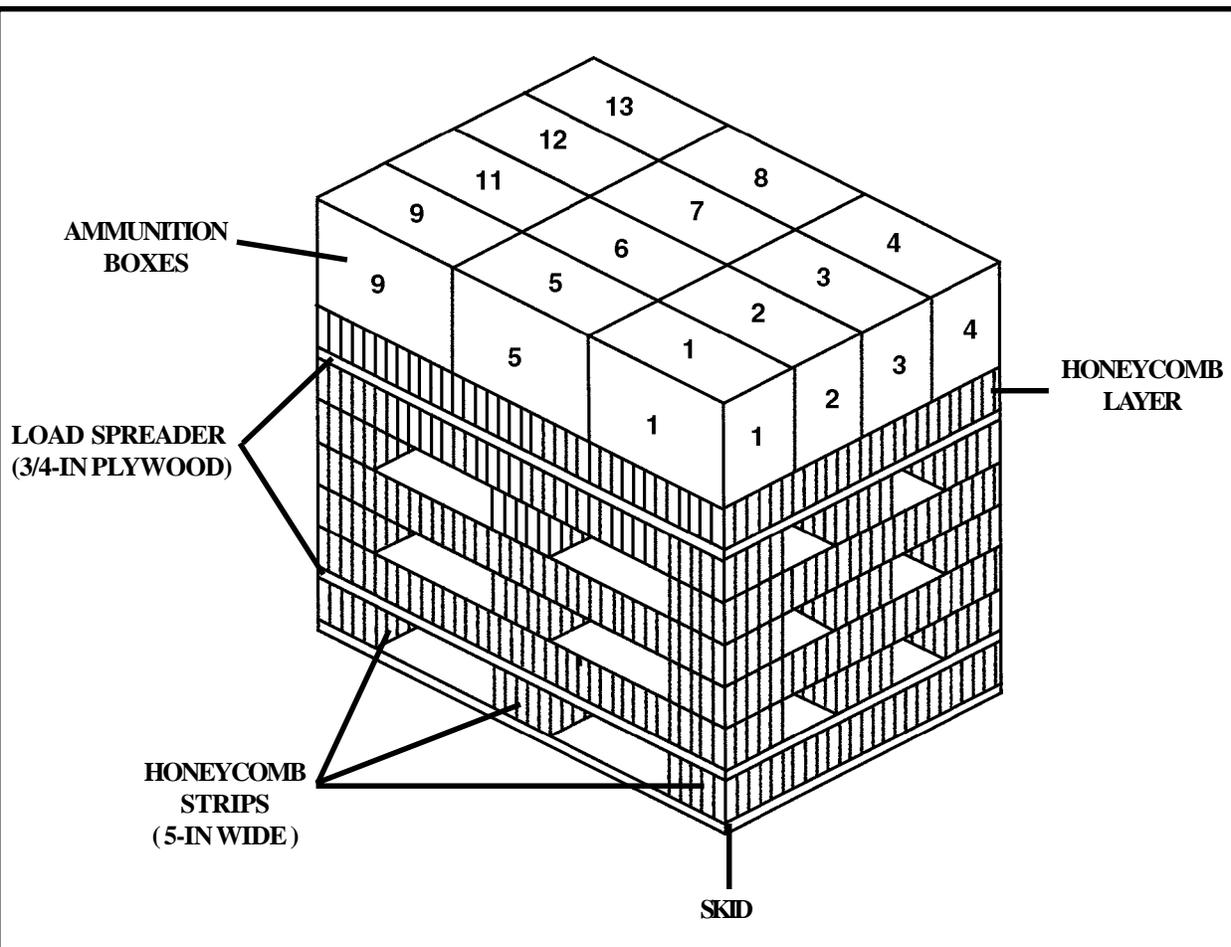
3. Weigh the MDI items, add 56 pounds ( weight of the BCC), subtract this sum from 300. This figure is the amount of ballast weight that must be added in the BCC. Evenly distribute the ballast in the BCC and fill all empty spaces with honeycomb so the ballast does not move. Nail the top on the BCC.
4. Prepare and position the load on the honeycomb stack shown above in accordance with FM 10-500-3, Chapter 4, Section III and Chapter 6, Section III. 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 munition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-77.*

#### **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 3-77. Honeycomb stack and rigging steps for MDI munitions in an A-7A cargo sling or an A-21 cargo bag for high velocity airdrop (continued)*

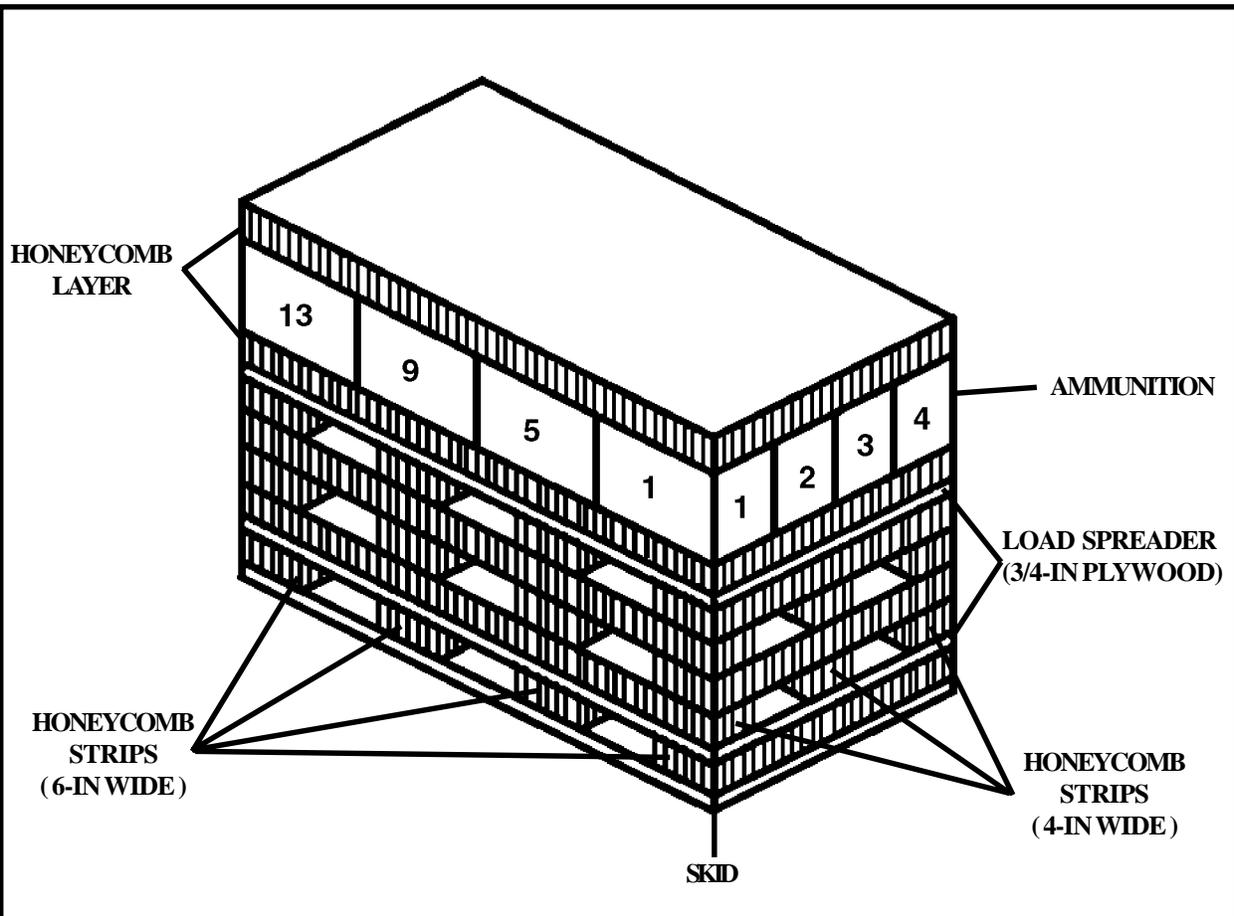


*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-78.*

**155-Millimeter Ammunition**

Fuze, Delay, Mod 1, PD, Mk399, (DODAC 1390-N659)

*Figure 3-78. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*



*The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 3-79.*

**Grenades**

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

*Figure 3-79. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop*

**APPENDIX**  
**EQUIPMENT REQUIRED**

<b>National Stock Number</b>	<b>Item</b>
8040-00-273-8713	Adhesive, paste, 1-gal
1670-00-242-9173	Bag, cargo, A-21
1670-01-065-3748	Bag, cargo, A-23
1670-00-587-3421	Bag, cargo, aerial delivery, type A-22
1670-00-678-8562	Clevis, suspension, cargo, 3/4-in
4020-00-240-2146	Cord, nylon, type III, 550-lb
8135-00-664-6958	Cushioning material, packaging, cellulose wadding
8305-00-958-3685	Felt, 1/2-in thick
3540-00-565-6242	Kit, strapping and sealing, 5/8"
1670-00-753-3928	Pad, energy-dissipating, honeycomb
	Parachute, cargo:
1670-01-065-3755	G-12E
1670-00-999-2658	G-14
	Parachute, cargo extraction:
1670-01-063-3715	15-ft
1670-00-687-5458	22-ft
	Parachute, cargo, high-velocity:
1670-00-788-8666	12-ft
1670-00-872-6109	26-ft

**APPENDIX**

**EQUIPMENT REQUIRED (CONTINUED)**

National Stock Number	Item
1670-00-216-7297	Parachute, pilot, 68-in diam
5530-00-128-4981	Plywood, 3/4-in
5530-00-914-5118	Plywood, 1-in
8135-00-290-1086	Seal, steel strapping, 5/8-in
1670-00-883-1654	Skid, cargo bag, platform, plywood, (CDS)
1670-00-251-1153	Sling, cargo, A/D, 500-lb-capacity, 188-in, (A-7A)
1670-01-062-6301	Sling, cargo, A/D, 3-ft (2 loop), type XXVI
8135-00-283-0667	Strapping, steel, 5/8-in
8305-00-074-5124	Tape, adhesive, 2-in
8310-00-917-3945	Thread, cotton, ticket No 5
	Webbing:
8305-00-268-2411	Cotton, 1/4-in, type I
8305-00-082-5752	Nylon, tubular, 1/2-in
8305-00-263-3591	Nylon, type VIII

## APPENDIX B

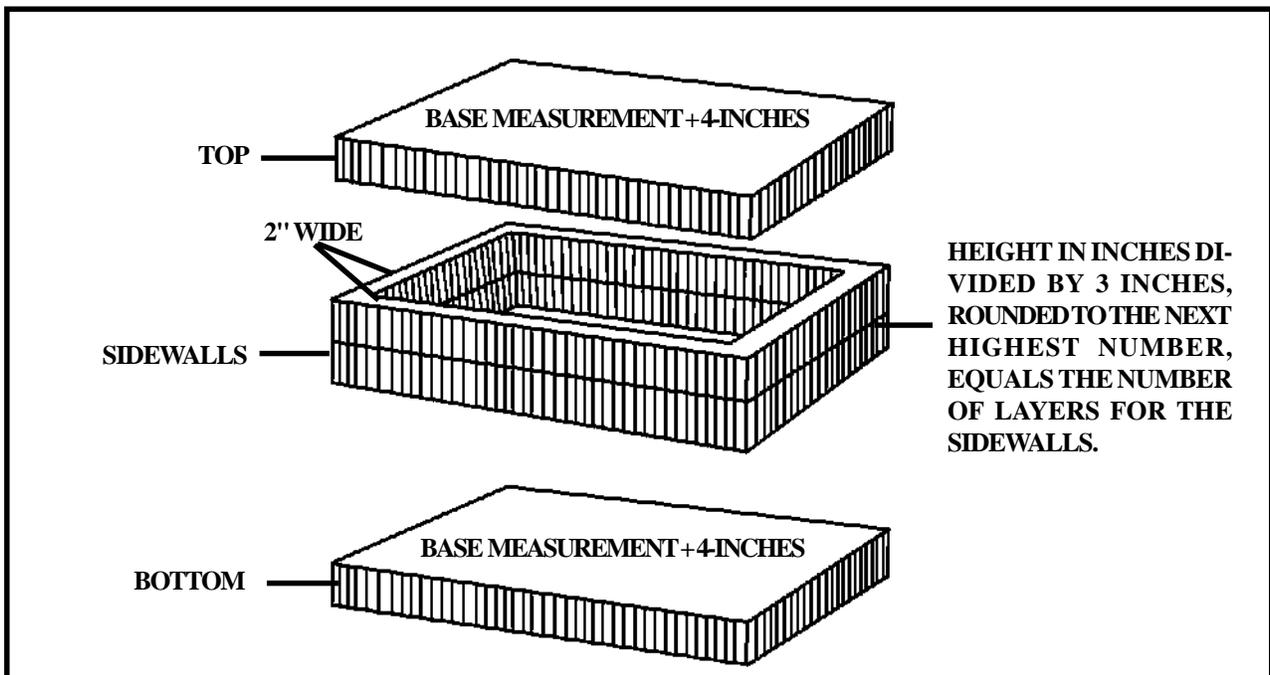
### FABRICATION OF HONEYCOMB BINS

#### 1-1. INTRODUCTION

The honeycomb bin is used to airdrop certain certified munitions when they are broken down into smaller units of issue. The munitions are placed into the bin and all unused space is filled with cellulose padding or honeycomb.

#### 1-2. RIGGING THE HONEYCOMB BIN

Rig the honeycomb bin using the procedures shown below.



1. Calculate the combined length and width of the base for the items that are to be rigged in the honeycomb bin. Add 4-inches to the length and 4-inches to the width of the base measurement. These are the measurements for the pieces of honeycomb used to make the honeycomb bin (top, bottom, and sidewalls).

2. Measure the combined height of the items that are to be rigged in the honeycomb bin. Divide the height in inches by 3 inches. Round off any fraction or remainder to the next highest number. This is the number of layers required for the honeycomb bin sidewalls.

3. Draw a line 2-inches from each side of the sidewalls.

Remove the honeycomb rectangle formed by the drawn lines. This leaves a 2-inch wide rim on the sidewalls.

4. Glue the sidewall layers together. Place the sidewalls on the bottom layer of honeycomb.

5. Position and pad the munitions inside the bin. Fill all empty areas with honeycomb or cellulose padding.

6. Place the top on the bin and secure the top and bottom with type III nylon cord. Tape the edges of the bin where necessary to prevent the type III nylon cord from cutting into the honeycomb.

## GLOSSARY

<b>A/C or acft</b>	<b>aircraft</b>
<b>ADAM</b>	<b>area denial artillery munition</b>
<b>AFB</b>	<b>Air Force Base</b>
<b>AFR</b>	<b>Air Force regulation</b>
<b>AFTO</b>	<b>Air Force technical order</b>
<b>AP</b>	<b>armor-piercing</b>
<b>APC-T</b>	<b>armor-piercing capped tracer</b>
<b>APDS-T</b>	<b>armor-piercing discarding sabot—tracer</b>
<b>APERS</b>	<b>antipersonnel</b>
<b>APERS-T</b>	<b>antipersonnel—tracer</b>
<b>APFSDS-T</b>	<b>armor-piercing fin-stabilized discarding sabot—tracer</b>
<b>API</b>	<b>armor-piercing incendiary</b>
<b>API-T</b>	<b>armor-piercing incendiary—tracer</b>
<b>AR</b>	<b>armor</b>
<b>ARNG</b>	<b>Army National Guard</b>
<b>AT</b>	<b>antitank</b>
<b>attn</b>	<b>attention</b>
<b>auto</b>	<b>automatic</b>
<b>bal</b>	<b>balance</b>
<b>BBC</b>	<b>ballast container compartment</b>
<b>BD</b>	<b>base detonating</b>
<b>BDM</b>	<b>bunker defeat munition</b>
<b>cal</b>	<b>caliber</b>
<b>comp</b>	<b>composite</b>
<b>CRR</b>	<b>complete round rigging</b>
<b>CS</b>	<b>chlorobenzaylmalononitrile</b>
<b>CTN</b>	<b>carton</b>
<b>CVR</b>	<b>centerline vertical restraint</b>
<b>DA</b>	<b>Department of the Army</b>
<b>DC</b>	<b>District of Columbia</b>

<b>DD</b>	<b>Department of Defense</b>
<b>DODAC</b>	<b>Department of Defense Ammunition Code</b>
<b>EOD</b>	<b>explosive ordnance disposal</b>
<b>FM</b>	<b>field manual</b>
<b>ft</b>	<b>foot</b>
<b>gal</b>	<b>gallon</b>
<b>GB</b>	<b>green bag</b>
<b>GRD</b>	<b>ground</b>
<b>HC</b>	<b>hexachloroethane zine</b>
<b>HE</b>	<b>high explosive</b>
<b>HE-T</b>	<b>high explosive—tracer</b>
<b>HEAT</b>	<b>high-explosive antitank</b>
<b>HEAT-MP</b>	<b>high-explosive antitank-multipurpose</b>
<b>HEAT-MP-T</b>	<b>high-explosive antitank-multipurpose—tracer</b>
<b>HEAT-SD</b>	<b>high-explosive antitank-self-destruct</b>
<b>HEAT-T</b>	<b>high-explosive antitank—tracer</b>
<b>HEDP</b>	<b>high explosive dual purpose</b>
<b>HEI</b>	<b>high-explosive incendiary</b>
<b>HEI-T</b>	<b>high-explosive incendiary—tracer</b>
<b>HEI/TP-T</b>	<b>high explosive incendiary-target practice—tracer</b>
<b>HEI-T-SD</b>	<b>high-explosive incendiary—tracer self-destruct</b>
<b>HEP-T</b>	<b>high-explosive plastic tracer</b>
<b>HERA</b>	<b>high-explosive rocket assisted</b>
<b>HQ</b>	<b>headquarters</b>
<b>ICM</b>	<b>improved conventional munition</b>
<b>in</b>	<b>inch</b>
<b>lb</b>	<b>pound</b>
<b>mg</b>	<b>machine gun</b>
<b>MDI</b>	<b>modernized demolition initiator</b>
<b>MICLIC</b>	<b>mine clearing line charge</b>
<b>mm</b>	<b>millimeter</b>
<b>mod</b>	<b>model</b>

<b>msl</b>	<b>missile</b>
<b>MT</b>	<b>mechanical time</b>
<b>MTSQ</b>	<b>mechanical time, superquick</b>
<b>NALC</b>	<b>Navy Ammunition Logistics Code</b>
<b>NATO</b>	<b>North Atlantic Treaty Organization</b>
<b>NO</b>	<b>number</b>
<b>NSN</b>	<b>national stock number</b>
<b>PD</b>	<b>point detonating</b>
<b>PETN</b>	<b>pentaerthritoltetranitrate</b>
<b>qty</b>	<b>quantity</b>
<b>RA</b>	<b>Regular Army</b>
<b>RAAM</b>	<b>remote anti-armor mine</b>
<b>RAAMS</b>	<b>remote anti-armor mine system</b>
<b>RAP</b>	<b>rocket-assisted projectile</b>
<b>rd</b>	<b>round</b>
<b>RQR</b>	<b>required</b>
<b>SD</b>	<b>self-destruct</b>
<b>sec</b>	<b>second</b>
<b>TM</b>	<b>technical manual</b>
<b>TNT</b>	<b>trinitrotoluene</b>
<b>TO</b>	<b>technical order</b>
<b>TOW</b>	<b>tube-launched, optically tracked, wire-guided</b>
<b>TP-T</b>	<b>target practice tracer</b>
<b>TR</b>	<b>tracer</b>
<b>TRADOC</b>	<b>United States Army Training and Doctrine Command</b>
<b>US</b>	<b>United States (of America)</b>
<b>USAR</b>	<b>United States Army Reserve</b>
<b>VA</b>	<b>Virginia</b>
<b>w</b>	<b>with</b>
<b>WB</b>	<b>white bag</b>
<b>WHD</b>	<b>warhead</b>
<b>WP</b>	<b>white phosphorous</b>
<b>WP-T</b>	<b>white phosphorous-tracer</b>

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