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***Flying Operations***

***C-141 OPERATIONS CONFIGURATION/  
MISSION PLANNING***

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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This supporting instruction implements AFPD 11-2, *Aircraft Rules and Procedures*, and is incomplete without AFI 11-2C-141 Volume 3, *C-141 Operations Procedures*. It establishes policy for the configuration of the C-141 aircraft to safely and successfully accomplish their worldwide mobility missions. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force. This instruction applies to Air National Guard (ANG) and Air Force Reserve Command (AFRC) units.

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***SUMMARY OF REVISIONS***

This revision changes paragraph 3.3.13. and tables 3.12, 3.13, & figure 3.25.

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## Chapter 1

### POLICY

**1.1. General.** This instruction establishes basic cargo compartment configurations, standard equipment, and location of equipment aboard the C-141 aircraft. Personnel using this instruction should be aware of the infinite number of available variations.

1.1.1. The cargo compartment limitations listed are typical for day-to-day operations. For operational planning purposes, each configuration is annotated with minimum time and number of people to configure the aircraft. The number of personnel noted (two, four or six) is based on teams required to perform configuration functions; e.g., a CP-3 configuration is annotated with a four person, three-hour time standard. This consists of two, two-person teams with a three-hour average configuration time period; however, if four two-person teams were assigned to the configuration, the time period of three hours is substantially reduced. The times quoted are approximate and are configuration times only; they do not include deconfiguration times. (For example, to reconfigure from a P-6 configuration (full side-facing and center aisle seats) to a C-2 configuration (clean floor) requires more than a two-person team one-half hour, the time allocated to prepare a C-2 configuration.

1.1.2. All C-141 aircraft are configured with standard quantities of life support equipment (LSE) IAW this instruction. Pre-position LSE to the maximum extent possible to provide mission flexibility when aircraft are away from home station and to reduce excessive handling resulting in damage to LSE.

**1.2. Responsibilities.** Personnel engaged in planning operations must consider the most appropriate configuration to satisfy mission requirements and to further permit the minimum variations and time involved in change.

1.2.1. Units performing services on the C-141 aircraft (e.g., dash-21 equipment branch, aircrew life support and traffic) are responsible for configuring the aircraft IAW this instruction and as outlined in mission directives, to include the stowage/installation of equipment as specified in each configuration and the equipment tables.

1.2.2. Aircrew personnel will ensure required mission equipment and LSE have been provided during their preflight.

**1.3. Standard Configuration Codes.** Use the letter codes contained in **Table 1.1.** when referring to C-141 cargo compartment configurations. Follow the letter code by the number that identifies the specific configuration capability.

**1.4. Modifications.** Configurations established by this instruction may require modification for specific missions. Each modification must be carefully evaluated prior to mission operation to ensure maximum flight safety and compatibility with aircraft equipment.

1.4.1. Each mission directive will identify the basic configuration by code and the modification to satisfy the mission requirement. For example, an aeromedical evacuation mission may require more litters than available in configuration AE-1. Consult the appropriate configuration charts to determine at what location the desired additional litters can be installed and which seats must be removed. Indicate in the mission directive, by position (left or right, and number) which seats are to be deleted and

by alphabetical position the litter tier provisions to be installed; i.e., configuration AE-1, remove seats 13, 14, and 15 left and right, install litter tier provisions H and I.

1.4.2. Missions in support of AMC/CC, CINCUNC, or other authorized DV's may be configured IAW specific mission requirements as directed in the mission operating directive.

**Table 1.1. Standard Configuration Codes.**

AE	Aeromedical Evacuation
C	Cargo
CP	Cargo and Passengers
P	Passengers
ADP	Airdrop Paratroop
ADC	Airdrop Cargo
CDS	Container Delivery System (Cargo Airdrop)
M	Missile
DV	VIP Support Flights
SD	Static Display

**1.5. Weight and Balance.** Configurations, equipment and necessary supplies change as mission requirements dictate. These changes inevitably effect the weight and balance of the aircraft.

1.5.1. Standardization of equipment and its location on the aircraft, are accomplished through **Table 2.1. Standard Equipment**, and **Table 2.2. Additional Equipment**.

1.5.2. Include items shown in **Table 2.1.** in the basic weight of the aircraft; these items will remain on the aircraft except for maintenance and inspection. As mission requirements dictate add equipment listed in **Table 2.2.**, and enter in references 5, 6 or 7 of DD Form 365-4.

1.5.3. When preparing DD Form 365-4 enter the weight and moment data contained in the required equipment table for the applicable configuration. Adjustments will be made when the actual onboard weight of these items vary from the data shown.

**EXCEPTION:** Aircraft assigned to 97 AMW, Altus AFB OK will be configured as locally directed during training missions. However, they will be configured IAW this instruction prior to being assigned to an operational mission.

1.5.4. Use sample DD Form 365-4, **Weight and Balance Clearance Form F**, at **Figure 5.1.**

**1.6. Distribution.** At least one copy of this regulation will be maintained in each C-141 squadron operations section, readily accessible to operations and aircrew personnel. Additional distribution, one each, will be as follows:

- 1.6.1. Staff operations, all levels.
- 1.6.2. C-141 Aircrew Standardization offices, all levels.
- 1.6.3. Command posts/operations centers.
- 1.6.4. Air terminal operations centers.

- 1.6.5. Squadron/port operations officers.
- 1.6.6. Air freight management.
- 1.6.7. Fleet service.
- 1.6.8. Aircraft maintenance squadron commanders, alternate mission equipment sections, and aircrew life support (ALS) sections.
- 1.6.9. One for each supplemental weight and balance handbook carried aboard the aircraft.

**1.7. Revisions.** Personnel at all echelons are encouraged to submit an AF Form 847, **Recommendation for Change of Publication**, IAW AFI 11-215. Forward request to HQ AMC/DOV, UNIT 3A1, SCOTT AFB IL, 62225-5302 or MAJCOM Stan/Eval.

**1.8. Supplements.** See AFI 11-2C-141V3, *C-141 Operations Procedures*.

**1.9. References.** See AFI 11-2C-141 Volume 3, Attachment 1 and the following:

- 1.9.1. T.O. 1-1B-50, *Basic Technical Order for USAF Aircraft Weight and Balance*.
- 1.9.2. T.O. 1C-1-71, *Listing of Cargo Tie-Down Equipment Authorized for All Series Cargo Aircraft*.
- 1.9.3. T.O. 1C-141B-1, *Flight Manual*.
- 1.9.4. T.O. 1C-141B-5, *Basic Weight Checklists and Loading Data*.
- 1.9.5. T.O. 1C-141B-9, *Loading Instructions*.
- 1.9.6. AFI 11-302, Volume 1, *Maintenance and Configuration Requirements for Aircrew and Aircraft-Installed Life Support Equipment (LSE)*.
- 1.9.7. AFI 11-2C-141, Volume 3, *C-141 Operations Procedures*.

## Chapter 2

## CONSOLIDATED EQUIPMENT TABLES

**2.1. General.** Configure all aircraft with the equipment in **Table 2.1**. Include this equipment in the aircraft basic weight. Add equipment in **Table 2.2**, as necessary to attain a specific configuration and/or comply with mission directives.

**Table 2.1. Standard Equipment**

Item	Equipment	Quantity (ea)	Location/Notes
1	Avfuels Identiplate (Credit Card)	1	In bracket on forward side of bulkhead at FS 292, behind inboard auxiliary crew seat (loadmaster seat).
2	Ax, hand, emergency	1	Behind inboard auxiliary crew seat (loadmaster seat).
3	Belt, safety	1 Set	Installed on each seat aboard the aircraft.
4	Brake plugs/caps	2	In compartment under relief bunk.
5	Coffee container support rack and electrical adapter plug	1	Crew galley.
6	Coordinator, pilot's flight deck checklist	1	On top of co-pilots glare shield.
7	Crew seat headrests	4	In compartment under relief crew bunk.
8	Emergency aeromedical evacuation equipment	12 6 6 24 96 6	Center aisle stanchions Long oxygen manifolds Short oxygen manifolds Four tier litter straps Litter clamps Restraint cables  <b>NOTE:</b> Stanchions will be secured in overhead stowage racks. Oxygen manifolds, straps, clamps, and restraint cables will be stowed in forward storage lockers between FS 309 and 338 right, and FS 400 and 417 left.
9	Engine covers and duct plugs	4	Left wheel pod, aft compartment.
10	Extinguishers, fire	6	As prescribed by T.O. 1C-141B-1.
11	Fuel tank drain tube	1	Right, top, side of crew rest facility secured by litter clamps provided.
12	Gloves, aramid (T.O. 00-25- 172)	1 Pair	In compartment under relief crew bunk.
13	Jack point adapters, wing	4	Stowage locker FS 706 right.

Item	Equipment	Quantity (ea)	Location/Notes
14	Jacking adapters (nose gear)	2	Stowage locker FS 706 right.
15	Jacking pads, aircraft	2	Installed at station 1058, stowed at in stowage locker at FS 706 right.
16	Kits, first aid, aeronautical	6	Two in crew compartment, left of flight station access door. Two aft of crew entrance door. One aft of each troop door.
17	Lights, emergency	11	As prescribed by T.O. 1C-141B-1/AFI 11-2C-141V3
18	Main landing gear emergency pry bar/ledge protector	1	Cargo compartment forward bulkhead, FS 292 right.
19	Maintenance ladder	1	On the left side fuselage above the auxiliary ground loading ramp, between FS 1430 and 1510.
20	Mask, fire fighting, smoke, with microphone	2	One mounted in crew latrine connected to oxygen bottle. One at FS 1400 right, connected to lower bottle. <b>NOTE:</b> Smoke masks may be replaced by sweep-on oxygen masks with goggles (P/N 358-1506V) at the discretion of the unit commander. P/N 358-1506V series oxygen mask is the preferred method of smoke and fume protection for aircrews IAW AFI 11-302, Vol 1.
21	Mask, oxygen, 358-1506V, with goggles	8	One at pilot and co-pilot sliding windows, one at right edge of the navigator's table, one at left edge of engineer's table, one on AN/ASN junction box cover, one at outboard auxiliary crew position, and two at relief bunk seat location.
22	Mask, oxygen MBU-5/P or 12/P (AWACS)	5	One at the inboard auxiliary crew position, two in crew rest area attached to the MA-1 oxygen cylinders. One at each MA-1 portable oxygen cylinder at FS 390 right and left.

Item	Equipment	Quantity (ea)	Location/Notes
23	Mask, oxygen, passenger (PAX)	50 mask containers (150 masks) see <b>Table 2.2.</b>	<p><b>Cargo Configured Missions:</b> Install ten mask containers on the right side and nine on the left side of the cargo compartment forward of the wheel well. Starting with the first mask container centered at FS 338 right and FS 378 left, moving aft, attach containers to the side troop seat upper support tubes, every 40 inches. Connect all mask hoses to the distribution outlets. An additional nine mask containers, four right side, and five left, will be attached against the sidewall but not connected. Position the mask containers aft of the last connected mask container and forward of the wheel well area. Stow the remaining 22 mask containers in the crew rest facility.</p> <p><b>NOTE:</b> If the side-facing seat upper support tubes are not installed, attach containers to the shield covering the oxygen distribution lines. Do not install masks directly above the chain stowage lockers.</p> <p><b>Passenger Configured Missions:</b> Sidewall Seats — When additional side-facing troop seats are installed and seat belts are on 20-inch centers, install a sufficient number of mask containers to accommodate the additional seats. Starting at FS 738 right and left, moving aft, attach mask containers to side-facing seat upper support tubes every 40 inches. Connect all mask hoses to the distribution system outlets. Centerline Seats — When centerline seats are installed, position two additional mask containers at each stanchion (one on each side). This is accomplished by placing the container straps around the stanchion above the upper support beam. Connect the mask hoses to the oxygen distribution manifolds.</p>

Item	Equipment	Quantity (ea)	Location/Notes
23	Mask, oxygen, passenger (continued)		<p>Aft-facing Seats — When aft-facing seats are installed, ensure a mask container is installed and accessible to occupants for each set of seats. Mask containers will be positioned just aft (aircraft aft) of the seat back. Connect hoses to distribution outlets.</p> <p><b>NOTE:</b> When the side-facing seat upper support tubes are installed, attach mask containers to them. When upper support tubes are not installed, attach masks to the shield covering the oxygen distribution lines. Do not install the masks directly above the chain stowage lockers.</p> <p><b>Paratroop Configured Missions:</b>  Sidewall Seats — (Seat belts on 24-inch centers) Starting at FS 342 right and FS 390 left, attach mask containers to the side-facing seat upper support tubes directly above every other seat belt attachment point. Connect mask hoses to the distribution outlets.  Centerline Seats — When centerline seats are installed, position two additional mask containers at each stanchion. This is accomplished by placing the container straps around the stanchion above the upper support beam. Connect mask hoses to the oxygen distribution manifold.</p> <p><b>NOTE:</b> During low level (below 10,000 feet MSL) joint airborne and local combat airlift training missions, the passenger oxygen masks do not need to be installed/connected.</p> <p><b>Aeromedical Evacuation Missions:</b>  Sidewall Litters — Position a mask container with a minimum of one mask enclosed for each litter tier to be carried. Install a 10,000 pound tie-down ring on each of the aft stanchions just above each litter clamp. Allow room for each mask container to be installed by attaching the straps provided to the tie-down rings. Connect mask hoses to the distribution outlets.  Centerline Litters — To accommodate both right and left litters, install an aeromedical configured mask container, with a minimum of two masks enclosed, facing forward on the forward side of each litter tier. Install 10,000 pound tie-down rings on each side of the stanchion supporting the head end of the litter slightly above each litter tier. Install the container by attaching the straps provided to the tiedown rings. Connect mask hoses to the oxygen distribution manifolds.</p>

Item	Equipment	Quantity (ea)	Location/Notes
23	Mask, oxygen, passenger (continued)  Emergency passenger oxygen system (EPOS)	150 (min)	<p><b>NOTE:</b> Ensure all masks attached to litters are connected to oxygen outlets. If necessary, remove masks that cannot be connected to an oxygen outlet container.</p> <p><b>NOTE:</b> Starting at the last row of seats and moving aft, the medical crew will install oxygen mask containers on the left and right bulkheads to station 1412 at intervals to be determined by the medical crew. Connect all masks to the oxygen distribution system.</p> <p>As a minimum, pre-position a sufficient quantity of EPOS to provide smoke and fume protection for each passenger position. EPOS in the cargo compartment will be distributed one for each occupied passenger seat. For side-facing seats the EPOS will be stowed behind the seat back. For aft-facing seats each EPOS will be stowed in the lower seat pocket. Stow excess EPOS in A-3 bags on the crew rest facility.</p> <p><b>NOTE:</b> Additional quantities of EPOS may be required for specific configurations. See configuration requirements in chapter 3.</p>
24	Miscellaneous Flight Deck Equipment: a. Night curtains  b. Letdown plate holders for pilot and co-pilot  c. Pilot and co-pilot sun visors	2  2  2	<p>Rolled on each side just forward of the engineer and navigator stations.</p> <p>Extreme sides and below glare shields.</p> <p>Above pilot and co-pilot side windows.</p>
25	Oil, engine/Fluid hydraulic	24 qts (min) ea	Stowed in liquid-tight storage box. Hydraulic fluid at FS 1450 left and engine oil at FS 1450 right.
26	Oxygen walk around bottles, MA-1	11 See <b>Table 2.2.</b>	Four crew compartment; two forward of engineer panel, two aft of navigator station. One with smoke mask attached in the crew latrine. Two, crew rest facility. One at FS 390 left and one at FS 390 right. Two at FS 1400 right, lower one with smoke mask attached.
27	Personnel restraint harness	2	In compartment under relief bunk.

Item	Equipment	Quantity (ea)	Location/Notes
28	Pins, gear down locks	3	Stowage locker on left forward fuselage wall at FS 350.
29	Pitot covers	4	Engineer lower right hand drawer.
30	Platform, crawlway	1	Hayloft area, between FS 1420 and FS 1620.
31	Protective breathing equipment (PBE)	4	One in the crew latrine. Two located in the forward cargo compartment at FS 380 left and right. One aft of the right troop door.
32	Rack, clothing, crew	1	Under crew rest facility.
33	Restraint harness attachment hardware: <b>Bolts</b> , 3/16", P/N NAS1 103 or appropriate substitute IAW T.O. 1-1A-8 <b>Washers</b> , P/N AN960PD10 <b>Nuts</b> , P/N MS210042-3	2  4  2	In compartment under relief crew bunk with personnel safety restraining harness. Hardware is provided for installation in the seat belt attachment point at FS 1313 left and right.
34	Rope, escape	8	Minimum one each exit (side and overhead) as prescribed by T.O. 1C-141B-1.
35	Interphone cord, 88 foot	1	Connected at interphone control panel aft of crew entrance door.
36	Cam jacks, pressure door	2	Installed at pressure door. When removed, stow in bags at left and right sides of pressure door.
37	Spoiler panel lock down hardware: <b>Bolt</b> , P/N AN3-17A <b>Bolt</b> , P/N AN3-11A <b>Nut</b> , P/N MS21042-3 <b>Washer</b> , P/N AN960C10 <b>Aluminum sheet</b> (23" H x 8" L x c" Thick)	4 16 20 40  2	In pouch in compartment under relief bunk.
38	Technical Publications	As required	Crew compartment on shelves above the end of the relief crew bunk.
39	Job guides	As required	Lock box on cargo compartment wall at FS 550 left.
40	Thrust reverser locks	4	In pouch in compartment under relief crew bunk.

Item	Equipment	Quantity (ea)	Location/Notes
41	Thrust reverser deactivation kit: <b>Cap</b> , P/N MS21914-10 <b>Cap</b> , P/N MS21914-8 <b>Plug</b> , P/N MS21913-10 <b>Plug</b> , P/N MS21913-8 <b>Cover</b> , P/N 389306	1 2 1 2 1	In pouch in compartment under relief crew bunk.
42	Tie-down equipment <b>Ring</b> , 10,000 pound <b>Ring</b> , 25,000 pound <b>Fitting, combination</b> , 25,000 pound <b>System</b> , restraint rail, 463L	100 26 12	Right forward stowage locker at FS 408 (forward section) Right forward stowage locker at FS 408 (aft section) Right forward stowage locker at FS 408 (aft section)  Stowed in position.
43	Take-off and landing data card holder (TOLD)	2	One each on pilots and co-pilots control yoke assemblies.
44	Weapons storage (gun box)	1	Crew rest facility.
45	Weather curtain	1	Pouch provided at FS 1448 right.
46	Winch, cargo, HCU-9/A, with snatch block	1	In winch compartment at forward end of cargo compartment floor beneath the flight station.

Table 2.2. Additional Equipment

Item	Equipment	Quantity (ea)	Location/Notes
1	Crew comfort items: <b>Mattress</b> , foam, with cover Blanket <b>Pillow</b> , with cases <b>Jug</b> , coffee (two gallon) <b>Cup</b> , hot <b>Igloo</b> , water container (5 gallon)	2 10 6 1 1 2	Crew rest facility. Crew rest facility. Crew rest facility.  Crew galley. Crew galley.  FS 292, stowed as loose equipment.  <b>NOTE:</b> Additional water containers or coffee containers may be added depending on mission requirements. (see Paragraph 3.1.)

Item	Equipment	Quantity (ea)	Location/Notes
2	Air transportable galley (ATGL)	1	Locked in restraint rail system at FS 371.
3	Emergency passenger oxygen system (EPOS)	150 (min)	<p>As a minimum, pre-position a sufficient quantity of EPOS to provide smoke and fume protection for each passenger position. EPOS in the cargo compartment will be distributed one for each occupied passenger seat. For side-facing seats the EPOS will be stowed behind the seat back. For aft-facing seats each EPOS will be stowed in the lower seat pocket. Stow excess EPOS in A-3 bags on the crew rest facility.</p> <p><b>NOTE:</b> Additional quantities of EPOS may be required for specific configurations. See configuration requirements in chapter 3.</p>
4	Life Preserver, MB-1	2 (min)	<p>One MB-1 casualty preserver for each litter patient. If MB-1 preservers are not available, the Adult/Child may be substituted for walking patients without casts or encumbrances on the same basis as the MB-1. To maximize the use of opportune aircraft for aeromedical missions, two MB-1 casualty are included, as a minimum, in each configuration.</p> <p><b>NOTE:</b> Distribute life preservers as required to satisfy mission requirements.</p>
5	Life Preserver, LPU-2/P or LPU-10/P (parachute life preserver)	6 (min)	<p>Stow as determined by the crew.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1. Only LPU-2/P or LPU-10/P life preservers will be used for combat airlift missions. The Adult/Child (A/C) Life Preserver is not compatible for use with parachutes.</li> <li>2. Quantity listed is minimum. Actual number required is contingent on the number of parachutes required for the mission. One required for each parachute.</li> </ol>

Item	Equipment	Quantity (ea)	Location/Notes
6	Life Preserver, adult/child (A/C)	160 (min)	<p><b>Flight Deck:</b> Two, co-pilot seat pouch. Two, pilot seat pouch. Two, outboard auxiliary crewmember seat pouch. Two, inboard auxiliary crewmember seat pouch. One each in relief crewmember seat pouches.</p> <p><b>Cargo Compartment:</b> Preservers in the cargo compartment will be distributed one for each occupied passenger seat. For side-facing seats stow the A/C preserver behind the seat back. For aft-facing seats stow the A/C preserver in the lower seat pocket. Stow excess life preservers in an A-3 bag on the crew rest facility.</p> <p><b>NOTE:</b> LPU-2/P life preservers may be used as an authorized substitute for the A/C preserver for the flight crew on passenger/cargo missions.</p>
7	Life Preserver, LPU-6/P, Infant Cot	7 (min)	Stow LPU-6/P infant survival cots in A-3 bag and secure on crew rest facility. (For infants up to 18 months/30 pounds)
8	Life Rafts (20 person)	6 (min)	<p>Two over cargo ramp in silos. One forward of No. 2 overhead hatch. One aft of No.4 overhead hatch. One in each wing raft well (FS 983).</p> <p><b>NOTE:</b> Additional rafts may be added depending on mission requirements. Pre-position additional life rafts at FS 1440 left and right.</p>
9	Stanchions, litter/seat, including required installation components	As required	As specified by configuration. For maximum centerline seat installation two short stanchions are required at FS 318 and 378.
10	Litter straps	As required	As specified by configuration.
11	Mask, oxygen, passenger (PAX)	One per person	<p>Installed and connected for use at each occupied passenger/litter position. Oxygen hoses will be connected to the aircraft distribution system. Configure aeromedical mask containers with two masks IAW AFI 11-302, Vol 1.</p> <p><b>NOTE:</b> Provide masks under this provision only when requirements of <b>Table 2.1.</b> are exceeded.</p>
12	Oxygen walk around bottles, MA-1	5	One for each aeromedical crewmember. Stowed as required.

Item	Equipment	Quantity (ea)	Location/Notes
13	Passenger comfort items: Blankets Pillows	As required	Place blankets and pillows in each aft-facing seat. Provide blankets and pillows, based upon seat release on those aircraft with side facing seats, in plastic bags for issue by crewmembers.
14	Passenger demonstration kit, (PAX DEMO)	1	Located at FS 338 left. Kit contents include A/C life preserver, passenger oxygen mask, and EPOS.
15	Passenger information card	1 (per seat)	Stowed in seat pouch. Not required on combat airlift missions. When not in use, stowed in a folder on the top left corner of crew rest facility (against bulkhead).
16	Passenger service kit	1	Mechanic's tool box, FSN 5140-289-8911 or 5140-331-5496 or similar item. Stowed behind inboard ACM seat (FS 275).
17	Parachute, personnel	As required	Pre-position an amount of parachutes to support minimum crew complement. Store on parachute rack using hangers.  <b>NOTE:</b> Minimum number when required by configuration is six. Pre-position additional parachutes as required by mission operating directive.
18	Personnel warning signs	2	Signs may be installed in any of three locations. FS 1412 near the centerline of the aircraft. FS 958 at butt line 40 left and right. When the aircraft is configured for passengers, cargo/passengers, or personnel airdrop, two signs will be used. One installed at FS 1412 and the other at FS 958 left or right. When the aircraft is configured for litters both signs are installed at FS 958. The signs are part of alternate mission kit No. 4 (3D10004-105).
19	Protective clothing kit (PCK)	1	Stowed in a metal or fiberglass box not to exceed 12 x 18 x 24 inches on the crew rest facility. Configure the PCK IAW AFI 11-302, Vol 1.
20	Radio, emergency, PRC-90 series	2 (min)	Two in container left of the outboard auxiliary crewmember seat.  <b>NOTE:</b> Quantity listed is minimum required for AFI 11-299 missions.
21	Side/aft-facing seats	As required	As specified in appropriate configuration.  <b>NOTE:</b> Aft-facing seats include food-serving trays.

Item	Equipment	Quantity (ea)	Location/Notes
22	Suit, anti-exposure, CWU-16/P	6 (min)	Pre-position anti-exposure suits to support minimum crew complement. Store in A-3 bags and stow in anti-exposure suit compartment under the relief crew bunk.  <b>NOTE:</b> Pre-position additional suits when required by mission operating directive.
23	Survival vests	6 (min)	Pre-position survival vests during contingencies to support minimum crew complement. Stow in cargo compartment.
24	Tie-down equipment: <b>CGU-1/B</b> , 5,000 lb strap  <b>MB-2</b> , 25,000 lb device  <b>MB-1</b> , 10,000 lb device  <b>MB-2</b> , 25,000 lb chain  <b>MB-1</b> , 10,000 lb chain	50  20  40  20  40	Thirty straps stowed in the storage containers at FS 1458 left and right. Twenty straps stowed in storage container at FS 610 left.  Twenty devices stowed in sidewall lockers at FS 950 and FS 1058  Stowed in sidewall lockers on the right side of the cargo compartment between FS 950 and FS 1058, and on the left side between FS 998 and FS 1058.  Stowed in chain lockers at FS 448 and FS 528 right.  Stowed in chain lockers at FS 428 and FS 448 left.  <b>NOTE:</b> T.O. 1C-1-71 authorizes additional tiedown equipment. Actual amounts required aboard each aircraft will be dictated by mission requirements.

## Chapter 3

### FLOOR PLANS AND REQUIRED EQUIPMENT WEIGHT AND BALANCE DATA

**3.1. Scope.** This chapter contains basic cargo compartment configurations in floor plan format, including weight, location, and moment data for associated required equipment.

**3.2. General.** Although deviations to the basic configurations are authorized to meet special requirements, consider the factors listed throughout this paragraph when planning changes.

3.2.1. Single side-facing seats will not be used unless connected to a double side-facing seat.

3.2.2. Do not position aft-facing seats forward of FS 450 when Air Transportable Galley/Lavatory (ATGL) is installed.

3.2.3. When DV passenger steps are installed at the crew entrance door, do not position aft-facing seats forward of FS 340 left side.

3.2.4. Normally, aft-facing seats are not positioned aft of FS 1318.

3.2.5. The minimum spacing for aft-facing seats is 34 inches center-to-center.

3.2.6. The weight limit on the aircraft ramp is 7,500 pounds. See TO 1C-141B-9 for other restrictions.

3.2.7. When using side-facing seats, snap seat-back (webbing) down for paratroop configurations only. Seat backs will be unsnapped for all passenger/troop configurations.

3.2.8. The side-facing seats adjacent to side emergency exits at FS 658, and the emergency gear access panels at FS 1018 will be rolled when aft-facing seats/litters are installed for passenger/aero-medical configurations. The removable seat-back support tubes remain installed to support the troop oxygen masks. The side-facing seats will be reconfigured upon removal of the aft-facing seats/litters.

3.2.9. When the ATGL is installed for use, keep right side clear of equipment/baggage. Equipment/baggage may be positioned/secured on the top of the ATGL, total weight will not exceed 300 pounds.

3.2.10. The portable urinal will not be used to increase Space-A passenger seat release.

3.2.10.1. When the portable urinal is installed for use, precautionary measures will be taken to ensure spillage does not contact the aircraft floor. (Heavy plastic/plywood etc. placed under the urinal is sufficient for this purpose.)

3.2.11. Drawings in this chapter depicting aircraft equipment locations are not to scale. However, dimensional locations stated in terms of fuselage stations are accurate.

3.2.12. When the restraint rails are in their stowed position, the cargo compartment walkway will be stowed with the hinged section hanging vertically.

3.2.13. Based on the MIL-D-19326E, table III, oxygen system requirements, the C-141 troop oxygen system is capable of supplying oxygen to a maximum of 200 personnel.

3.2.14. Seats identified as "crew" in the CP-1, CP-2, P-2 and P-3 configurations are not for use by passengers and will not be made available for release.

3.2.15. Only in extreme situations will more than three patients be placed on each centerline litter tier and no more than two patients placed in each sidewall litter tier. **EXCEPTION:** AE-5 configuration.

3.2.16. For all configurations the maximum number of personnel allowed on-board for over water flights is limited to 160-personnel (including crew).

### 3.3. Legend of Configurations.

3.3.1. AE-1. This aeromedical evacuation configuration offers 23-litter spaces and a total of 90 aft-facing seats, on 42-inch spacing. A minimum of 10 seats is required for cargo compartment area crewmembers (AECMs and loadmasters); additional seats are required for additional crewmembers.

3.3.2. AE-2. This aeromedical evacuation configuration offers 31-litter spaces and a total of 78 aft-facing seats, on 42-inch spacing. A minimum of 10-seats is required for cargo compartment area crewmembers (AECMs and loadmasters); additional seats are required for additional crewmembers.

3.3.3. AE-3. This aeromedical evacuation configuration offers 46-litter spaces and a total of 60 aft-facing seats on 42-inch spacing. A minimum of 10-seats is required for cargo compartment area crewmembers (AECMs and loadmasters); additional seats are required for additional crewmembers.

3.3.4. AE-4. This aeromedical evacuation configuration is the maximum litter and attendant arrangement. 103 litter spaces and 14 side-facing seats are offered. Side-facing seats are for the exclusive use of cargo area crewmembers (no ambulatory patients).

3.3.5. AE-5. This aeromedical evacuation configuration utilizes the litter rigging equipment carried on the aircraft at all times as listed in **Table 2.1.** and is intended to be used for short notice aeromedical evacuation missions. Eighty side-facing seats, on 24-inch centers and 48-litter spaces are offered. It is not necessary for all litter rigging equipment listed in this configuration to be installed unless mission requirements dictate. Litters will be installed between F.S. 798 and F.S. 1198. Two portable urinals and two portable lavatories will be installed. The aeromedical crew will supply in-flight medical kits.

3.3.6. C-1. This cargo configuration offers provisions for 12 HCU-6/E pallets. If configuration assets are available 12 aft-facing seats may be installed, providing up to 11-seats for passengers depending on aircrew size. If assets are not available sidewall seats will be utilized to offer up to 7-seats for passengers. A minimum of one seat is required for flight crew personnel in the cargo compartment.

3.3.7. C-2. This configuration is used to provide a clear cargo floor for the loading of general cargo and/or rolling stock.

3.3.8. C-3. This configuration is used to utilize the maximum pallet carrying capability of the aircraft. 13 HCU-6/E pallets can be transported utilizing this configuration. When 13-pallets are carried no flight crew or passenger seats are available in the cargo compartment.

3.3.9. CP-1. Provides an ATGL and 51 aft facing seats (34-inch spacing) with 47-seats offered for passengers. In addition to the baggage pallet, space is available for 7 additional pallets.

3.3.10. CP-2. Provides an ATGL and 105 aft-facing seats (38-inch spacing) with 101-seats offered for passengers. In addition to the baggage pallet, space is available for two cargo pallets.

3.3.11. CP-3. Provides an ATGL and 88 side-facing seats (20-inch centers) with 86-seats offered for passengers. One position for the baggage pallet on the ramp.

3.3.12. P-1. Provides 168 aft-facing seats (34-inch spacing) with 166 seats offered for passengers. Additionally, provision for a baggage pallet and space forward of the baggage pallet for floor loaded baggage is provided. (See Paragraph **3.2.16.**)

- 3.3.13. P-2. Provides an ATGL and 147 aft-facing seats (34-inch spacing) with 143 seats offered for passengers. Additionally, provision for 2 baggage pallets are provided.
- 3.3.14. P-3. Provides an ATGL and 129 aft-facing seats (38-inch spacing) with 125-seats offered for passengers. Additionally, provision for two baggage pallets are provided.
- 3.3.15. P-4. Provides an ATGL and 172 side-facing seats (20-inch centers) with 170-seats offered for passengers. Additionally, provision for a baggage pallet and space forward of the baggage pallet for floor loaded baggage is provided. (See Paragraph 3.2.16.)
- 3.3.16. P-5. Provides the maximum passenger or troop carrying capability of the aircraft. 210 side-facing seats on 20-inch centers are installed, with 208 offered for use by personnel. Latrine facilities are limited to portable urinals and the crew latrine. Baggage space is limited to one baggage pallet. (See Paragraphs 3.2.10., 3.2.13. and 3.2.16.)
- 3.3.17. P-6. Provides the maximum side-facing seat passenger/troop carrying capability of the aircraft when seat belts are installed on 24-inch centers. 168 side-facing seats are installed with 166 offered for use by personnel. Latrine facilities are limited to portable urinals and the crew latrine. Baggage space is limited to one baggage pallet. (See Paragraph 3.2.10. and Paragraph 3.2.16.)
- 3.3.18. ADP-1. Provides 77 side-facing seats on 24-inch centers with 75 offered for use by paratroops.
- 3.3.19. ADP-2. Provides the maximum paratroop carrying capability of the aircraft. 158 side-facing seats are installed on 24-inch centers with 156 offered for use by paratroops. (**EXCEPTION:** When using alternate drop method, as outlined in AFI 11-2C-141 Volume 3, Chapter 19, only 142 seats are installed with 140 offered for use by paratroops.) Latrine facilities are limited to portable urinals and the crew latrine (See Paragraph 3.2.16.)
- 3.3.20. ADP-3. Provides an ATGL, 130 sided-facing seats on 24-inch centers with 128-seats offered for use by paratroops. This configuration is the maximum paratroop seating arrangement when the ATGL is installed. Portable urinals are included to afford additional convenience.
- 3.3.21. ADP-4. Provides an ATGL, 86 side-facing seats on 24-inch centers with 84-seats offered for use by paratroops. Provisions for 32 litter spaces are provided to allow troops space to rest for extended flight periods. Litters are to be provided by user requesting this configuration.
- 3.3.22. ADC-1. This configuration is used to facilitate airdrop of platform loads. Available seating depends on the number of platforms to be dropped. Seating policy for this configuration is IAW AFI 11-2C-141, Vol 3, Chap 19.
- 3.3.23. CDS-1. This configuration is used to facilitate airdrop of 2 to 40 A-22 containers in a double stick or one to 20 containers in a single stick. This configuration is also used to accomplish certain special airdrop missions such as the Combat Rubber Raiding Craft (CRRC).
- 3.3.24. CDS-2. This configuration is used to facilitate both the airdrop of 1 to 20 A-22 containers and up to 30 paratroops. One side of the aircraft is configured for CDS using the Centerline Vertical Restraint (CVR) while the opposite side is configured with 32 side-facing seats on 24-inch centers with 30 offered for use by paratroops. This configuration will not support simultaneous airdrop of containers and personnel will not be attempted.

3.3.25. M-1. This configuration facilitates the airlift of the Minuteman Missile when SSCBM loading kit No.10 is installed (see T.O. 1C-141B-9, Section VI, W) and the aircraft has been modified to airlift the SSCBM (65-0228 through 65-0258).

3.3.26. DV-1. This kit is also known as Joint Task Force Command and Control Module. This configuration utilizes the "Silver Bullet" Command and Control Module (CCM). Configuration provides an ATGL, steward's pallet, and 30 aft-facing seats on 42 inch spacing with a maximum of 21 offered for occupancy by passengers. Two tables are included with seats positioned on each side facing the table. Seats arranged facing forward will not be occupied for takeoff or landing. Personnel will not occupy the CCM for takeoff, landing, critical phases of flight, air refueling, or turbulence, as determined by the aircraft commander.

3.3.27. DV-2. This kit is also known as the CINC kit. This configuration can carry a maximum of 33 personnel (13 internal and 20 external) in its normal configuration. This kit is equipped with several special features such as 120VAC/60HZ electrical power; television with VCR; stereo; first class airline type seats and provisions for sleeping. Refer to specific configuration for installation of electrical connections for tables, cargo compartment curtain and other associated equipment.

3.3.28. DV-3. This kit is also known as the 21st AF kit. This configuration is an enclosed five pallet position module. This module includes; seating for 12 passengers, a small kitchenette, conference tables, and a lavatory in the aft section of the module. The front of the aircraft has seating for 18. The rear of the aircraft can be configured to carry cargo or extra passengers in aft facing airline seats. Refer to specific configuration for installation of electrical connections for tables, cargo compartment curtain and other associated equipment.

3.3.29. DV-4. This kit is also known as the Civic Leader Kit. This configuration consist of an ATGL and six pallets with first class airline seats (42 seats for passengers). Pallet positions 8 through 13 may be used for cargo. Pallet positions 8 through 11 may be used for an additional 42 passenger seats. Refer to specific configuration for installation of electrical connections for tables, cargo compartment curtain and other associated equipment.

3.3.30. SD-1. This configuration is used for static display of the aircraft.

**3.4. Passenger/Troop Drinking Water.** Each basic configuration provides for an adequate amount of drinking water. For example, on cargo configurations, two 5-gallon water containers (Igloo) are provided, and on passenger missions an ATGL normally is provided which contains sufficient drinking water for all passenger configurations. Additional water containers may be added if required by the mission directive.

**3.5. Life Preserver Configurations.** Life preservers will be placed aboard the aircraft in only the following configurations:

3.5.1. All adult/child.

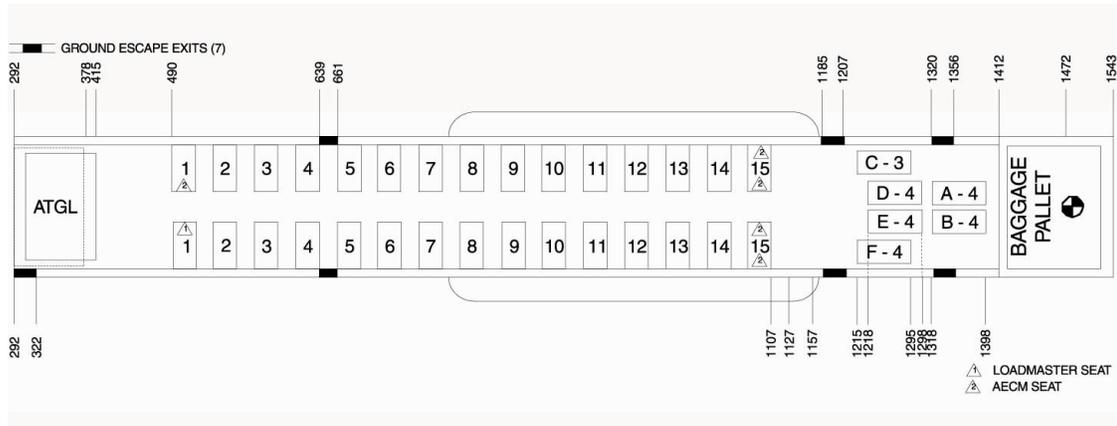
**NOTE:** The LPU-5/P and MD-1 life preservers are no longer in the inventory.

3.5.2. When parachutes are placed on the aircraft a sufficient quantity of LPU-2/P or LPU-10/P life preservers will be placed on the aircraft. Crewmembers will wear an LPU-2/P or LPU-10/P when doors are open over water.

Table 3.1. AE-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	90	90	Distributed	7.9
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	90	45	Distributed	4.0
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL (Serviced)	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4190</b>		<b>161.3</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	30	120	1170	14.0
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Raft, Life (20 Person)	6	1080	2 @ 1420 1 @ 1338 1 @ 395 2 @ 983	117.7
Kit, Clothing, Protective	1	36	371	1.3
Mask, Oxygen, Pax (Aeromed)	15	30	1170	3.5
Mask, Oxygen, AWACS (Aeromed)	5	4	1170	0.4
Bottles, Oxygen, Portable	5	30	Distributed	2.6
<b>Ref 6 Totals</b>		<b>1929</b>		<b>186.5</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	674	Distributed	58.8
Seats, Aft-facing	30	2820	Distributed	225.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head (Crew Door)	1	9	310	0.3
AE Equipment (Installed)	N/A	237	Distributed	30.6
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>5034</b>		<b>405.4</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.1. AE-1 Floor Plan.

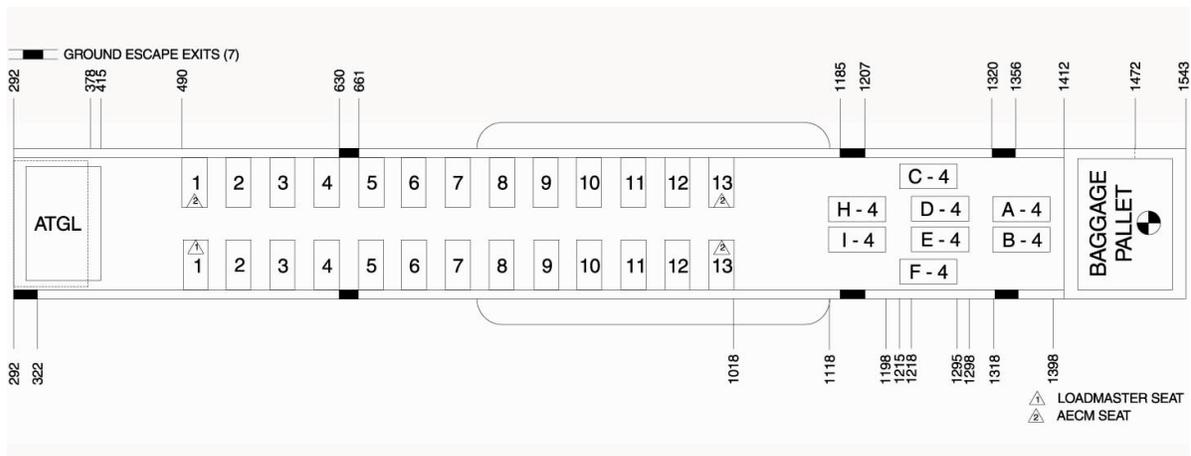
**NOTES:**

1. This aeromedical evacuation configuration provides 23 litter spaces (high density) and a total of 90 aft-facing seats on 42-inch spacing (**EXCEPTION**: 46 inch spacing between rows 4 and 5). The number of seats offered for ambulatory patients is normally 80; however, the number of cargo compartment crewmembers will govern the number of seats available. Aeromedical crew seat locations may vary in the cargo compartment based on patient/cabin observation requirements. Additional seats may be required for emergency equipment and litter patients based on patient medical conditions.
2. Reducing litter spaces may increase seat spaces. Reducing seat spaces may increase litter spaces.
3. Seats are numbered for identification and are referred to as seat 1 left or seat 1 right, etc. Litter tiers are identified alphabetically. The number on the litter spaces indicates the maximum number of litters each tier.
4. The dotted lines denote the crew rest facility.
5. Restraint rails and roller conveyors are stowed except as required for comfort and baggage pallets. Stow hinged walkways with hinged section hanging vertical to the floor. This paragraph applies to both "real patient" missions and aeromedical readiness missions (ARMs).
6. The side-facing seats immediately in front of the forward side emergency exits and emergency gear access panels will be rolled when aft-facing seats are installed (see Paragraph 3.2.8). Side-facing seats must be removed when installing litters along side of aircraft.
7. Time to configure is four personnel-four hours.
8. Ramp pallet is limited to 7500 pounds, which includes the weight of the pallet/nets.

Table 3.2. AE-2 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	78	78	Distributed	4.5
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	78	39	Distributed	2.5
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL (Serviced)	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4172</b>		<b>156.4</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	31	124	1170	14.5
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
Mask, Oxygen, Pax (Aeromed)	16	32	1170	3.7
Mask, Oxygen, AWACS (Aeromed)	5	4	1170	0.4
Bottles, Oxygen, Portable	5	30	Distributed	2.6
<b>Ref 6 Totals</b>		<b>1907</b>		<b>186.2</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	674	Distributed	58.8
Seats, Aft-facing	26	2444	Distributed	184.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head (Crew Door)	1	9	310	0.3
AE Equipment (Installed)	N/A	428	Distributed	53.8
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>4849</b>		<b>387.6</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.2. AE-2 Floor Plan.

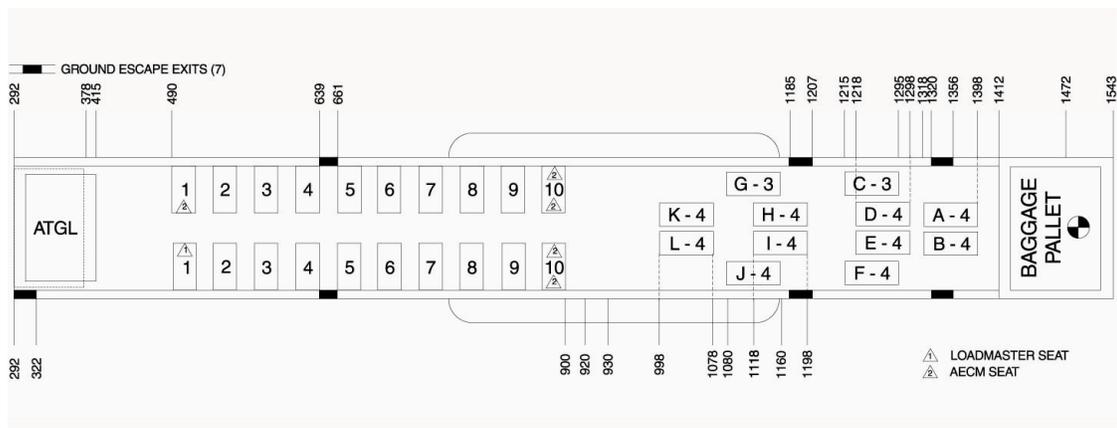
**NOTES:**

1. This aeromedical evacuation configuration provides 31 litter spaces (High Density) and a total of 78 aft-facing seats on 42-inch spacing (**EXCEPTION:** 46-inch spacing between rows 4 and 5). The number of seats offered for ambulatory patients normally is 68; however, the number of cargo area crew govern the number of seats available. Aeromedical crew seat locations may vary in the cargo compartment based on patient/cabin observation requirements. Additional seats may be required for emergency equipment and litter patients based on patient medical conditions.
2. Reducing litter spaces may increase seat spaces. Reducing seat spaces may increase litter spaces.
3. Seats are numbered for identification and are referred to as seat 1 left or seat 1 right, etc. Litter tiers are identified alphabetically. The number on the litter spaces indicates the maximum number of litters each tier.
4. The dotted lines denote the crew rest facility.
5. Restraint rails and roller conveyors are stowed except as required for comfort and baggage pallets. Stow hinged walkways with hinged section hanging vertical to the floor. This paragraph applies to both "real patient" missions and aeromedical readiness missions (ARMs).
6. The side-facing seats immediately in front of the forward side emergency exits and emergency gear access panels will be rolled when aft-facing seats are installed (see Paragraph 3.2.8.). Side facing seats must be removed when installing litters along side of aircraft.
7. Time to configure is four personnel four hours.
8. Ramp pallet is limited to 7500 pounds, which includes the weight of the pallet/nets.

Table 3.3. AE-3 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	60	60	Distributed	4.1
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	60	30	Distributed	2.1
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL (Serviced)	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4145</b>		<b>155.6</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	50	200	1170	23.4
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
Mask, Oxygen, Pax (Aeromed)	16	46	1170	5.3
Mask, Oxygen, AWACS (Aeromed)	5	4	1170	0.4
Bottles, Oxygen, Portable	5	30	Distributed	2.6
<b>Ref 6 Totals</b>		<b>1997</b>		<b>196.7</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	674	Distributed	58.8
Seats, Aft-facing	26	2444	Distributed	184.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head (Crew Door)	1	9	310	0.3
AE Equipment (Installed)	N/A	428	Distributed	53.8
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>4849</b>		<b>387.6</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.3. AE-3 Floor Plan.

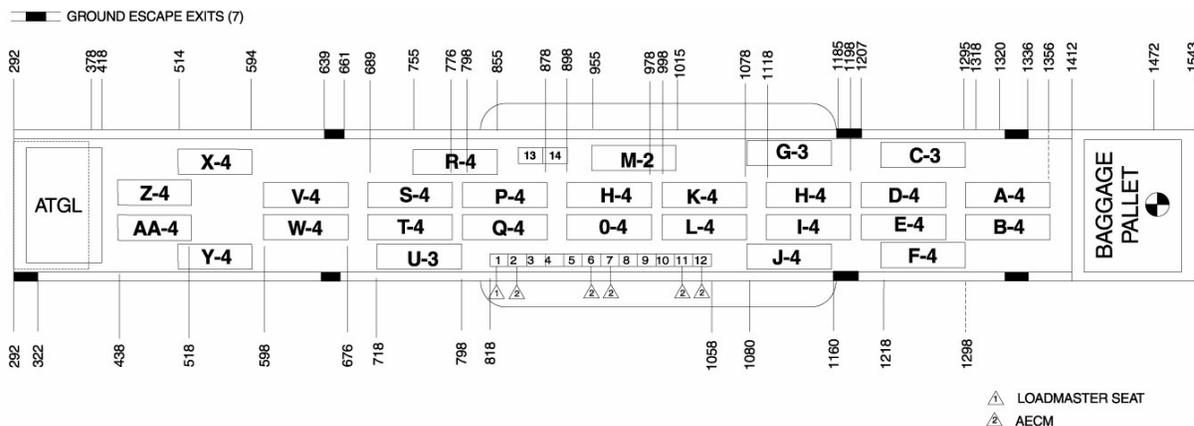
**NOTES:**

1. This aeromedical evacuation configuration provides 46 litter spaces (High Density) and a total of 60 aft-facing seats on 42-inch spacing (**EXCEPTION:** 46-inch spacing between rows 4 and 5). The number of seats offered for ambulatory patients normally is 50; however, the number of cargo area crew govern the number of seats available. Aeromedical crew seat locations may vary in the cargo compartment based on patient/cabin observation requirements. Additional seats may be required for emergency equipment and litter patients based on patient medical conditions.
2. Reducing litter spaces may increase seat spaces. Reducing seat spaces may increase litter spaces.
3. Seats are numbered for identification and are referred to as seat 1 left or seat 1 right, etc. Litter tiers are identified alphabetically. The number on the litter spaces indicates the maximum number of litters each tier.
4. The dotted lines denote the crew rest facility.
5. Restraint rails and roller conveyors are stowed except as required for comfort and baggage pallets. Stow hinged walkways with hinged section hanging vertical to the floor. This paragraph applies to both "real patient" missions and aeromedical readiness missions (ARMs).
6. The side facing seats immediately in front of the forward side emergency exits will be rolled when aft-facing seats are installed (see Paragraph 3.2.8.). **NOTE:** Side facing seats must be removed when installing litters along side of aircraft.
7. Time to configure is four personnel-four hours.
8. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.4. AE-4 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	14	14	Distributed	1.3
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	14	7	Distributed	0.7
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL (Serviced)	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4076</b>		<b>151.4</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	120	480	Distributed	42.2
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	7	1260	2@1420 1@1338 1@395 2@983 1@1440	143.6
Kit, Clothing, Protective	1	36	371	1.3
Mask, Oxygen, Pax (Aeromed)	60	120	1170	14.0
Mask, Oxygen, AWACS (Aeromed)	5	4	1170	0.4
Bottles, Oxygen, Portable	5	30	Distributed	2.6
<b>Ref 6 Totals</b>		<b>2531</b>		<b>250.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	7	91	Distributed	8.5
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head (Crew Door)	1	9	310	0.3
AE Equipment (Installed)	N/A	2163	Distributed	201.2
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3557</b>		<b>300.4</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.4. AE-4 Floor Plan.



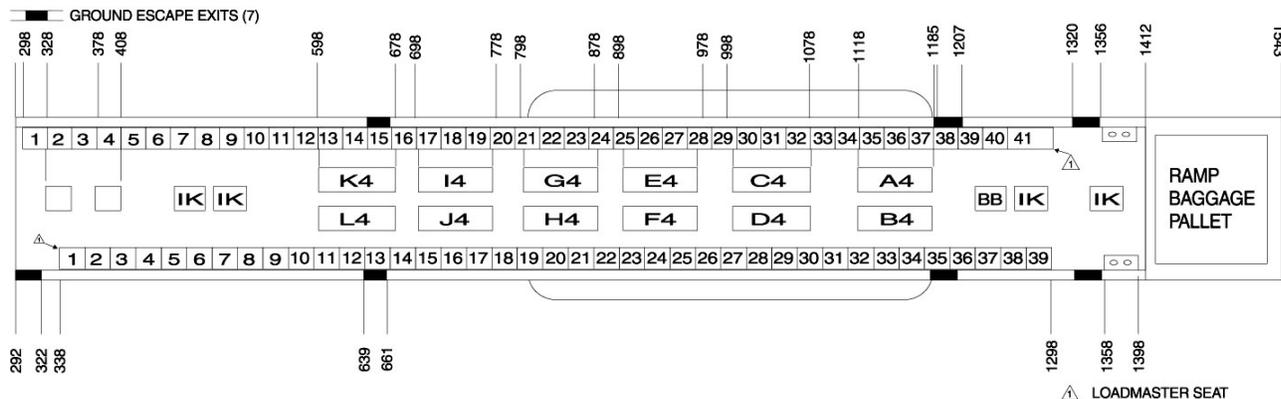
**NOTES:**

1. This aeromedical evacuation configuration is the maximum litter and attendant arrangements. It offers 103 litters and 14 side facing seats. The number of cargo area crew govern the number of seats available. Aeromedical crew seat locations may vary in the cargo compartment based on patient/cabin observation requirements. Additional seats may be required for emergency equipment and litter patients based on patient medical conditions.
2. The dotted line denotes the crew rest facility.
3. Seats are numbered for identification and are referred to as seat 1 left or seat 13 right, etc. Litter tiers are identified alphabetically. The number in the litter spaces indicates the maximum number of litters in each tier.
4. Restraint rails and roller conveyors are stowed except as required for comfort and baggage pallet. Stow hinged walkways with hinged section hanging vertical to the floor or folded on top of walkways. Side-facing seats must be removed when installing litters along side of aircraft. This paragraph applies to both “real patient” missions and aeromedical readiness missions (ARMs).
5. Time to configure is six personnel-six hours.
6. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.
7. When using upper tiers of litter U3, the technical publications storage box will need to be removed.

Table 3.5. AE-5 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	8	400	Distributed	34.1
Jug, Coffee	2	50	285	1.4
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	70	70	Distributed	6.0
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	70	35	Distributed	3.0
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
Portable Lavatories	2	800	320/400	28.8
<b>Ref 5 Totals</b>		<b>1445</b>		<b>76.5</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	48	192	800	15.4
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	7	1260	2@1420 1@1338 1@395 2@983 1@1440	143.6
Kit, Clothing, Protective	1	36	371	1.3
Mask, Oxygen, Pax (Aeromed)	24	48	1170	5.6
Mask, Oxygen, AWACS (Aeromed)	5	4	1170	0.4
Bottles, Oxygen, Portable	5	30	Distributed	2.6
<b>Ref 6 Totals</b>		<b>2171</b>		<b>214.9</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49	651	Distributed	55.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head (Crew Door)	1	9	310	0.3
AE Equipment (Installed)	N/A	729	Distributed	65.5
Urinal, Portable (Left and Right)	2	80	1378	11.0
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>2763</b>		<b>222.5</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.5. AE-5 Floor Plan.

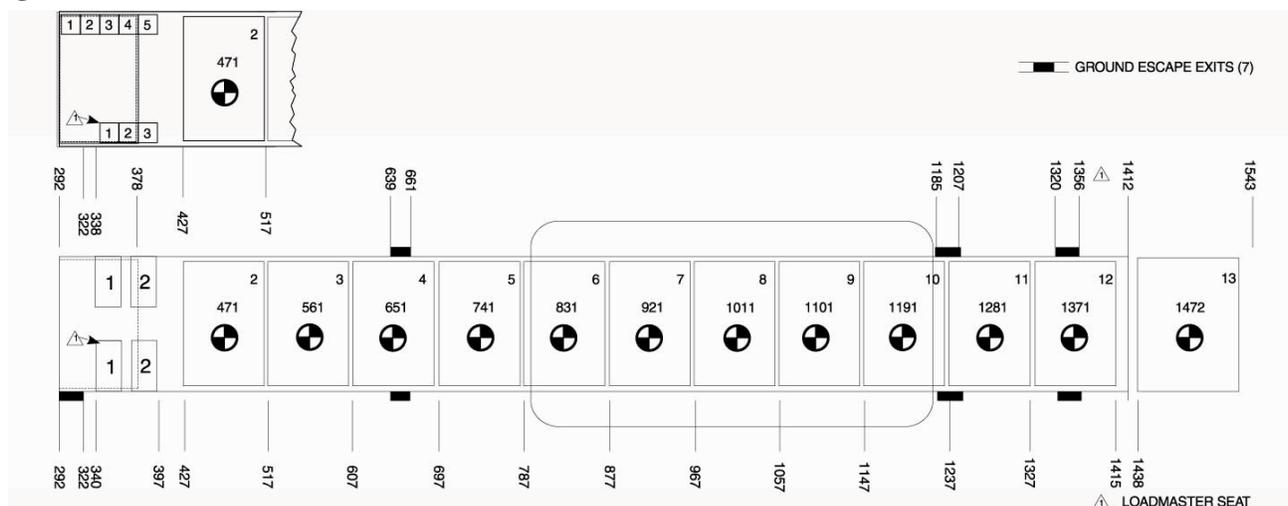
**NOTES:**

1. This aeromedical evacuation configuration provides 48 litter spaces (High Density) and a total of 80 side-facing seats on 24-inch center. The number of seats offered for ambulatory patients normally is 70; however, the number of crew govern the number of seats available. Aeromedical crew seat locations may vary in the cargo compartment based on patient/cabin observation requirements. Additional seats may be required for emergency equipment and litter patients based on patient medical conditions.
2. Seats are numbered for identification and referred to as seat 1 left, or seat 1 right, etc. Litter tiers are identified alphabetically. The number in the litter spaces indicates the maximum number of litters each tier.
3. The dotted lines denote the crew rest facility.
4. Restraint rails and roller conveyors are stowed except as required for baggage pallet. Stow hinged walkways with hinged section hanging vertical to the floor. This paragraph applies to both "real patient" missions and aeromedical readiness missions (ARMs).
5. Time to configure is four personnel four hours.
6. Drawing in this configuration is not to scale with respect to actual location of aeromedical equipment i.e. In-Flight medical kits, etc.
7. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.
8. Portable lavatories (2) FS 320-400; Portable urinals (2) FS 1358-1398 right and left. Latrine facilities limit flight duration to approximately 12 hours

**Table 3.6. C-1 Configuration.**

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Small	12	12	364	0.4
Blankets, Large	10	35	360	1.3
Pillows, Small, w/cases	12	6	364	0.2
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>233</b>		<b>7.5</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>1939</b>		<b>145.0</b>
<b>Ref 7 Options</b>				
Seats, Aft-facing	4	376	364	13.7
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.6. C-1 Floor Plan.

**NOTES:**

1. Restraint rails down and roller conveyors up, except for the number one pallet position. Cargo on HCU-6/E pallets, maximum 12 pallets. Hinged walkways will be in the extended position. Extension shall be accomplished prior to loading.
2. The normal stacking height of cargo on single pallets on the main cargo floor is 96 inches above the surface of the pallet. The maximum stacking height of cargo on single or married pallets on the main cargo floor (pallet positions 2 through 12) are 100 inches above the surface of the pallet(s). The maximum stacking height of cargo in pallet position 13 (ramp pallet) is 76 inches above the surface of the pallet.
3. Twelve aft-facing seats are installed in pallet position 1 (38-inch spacing) with 11 seats available for passengers. The number of flight crew personnel will govern the number of available seats. 30-inch spacing required between aft row of seats and net or strap restrained cargo. Install aft-facing seats, two on the right side and two on the left side, with forward most portion of seat aft of FS 340.
4. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.
5. The dotted lines denote the crew rest facility.
6. Time to configure is two personnel-one hour.

**Table 3.7. C-2 Configuration.**

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>1939</b>		<b>145.0</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.7. C-2 Floor Plan.

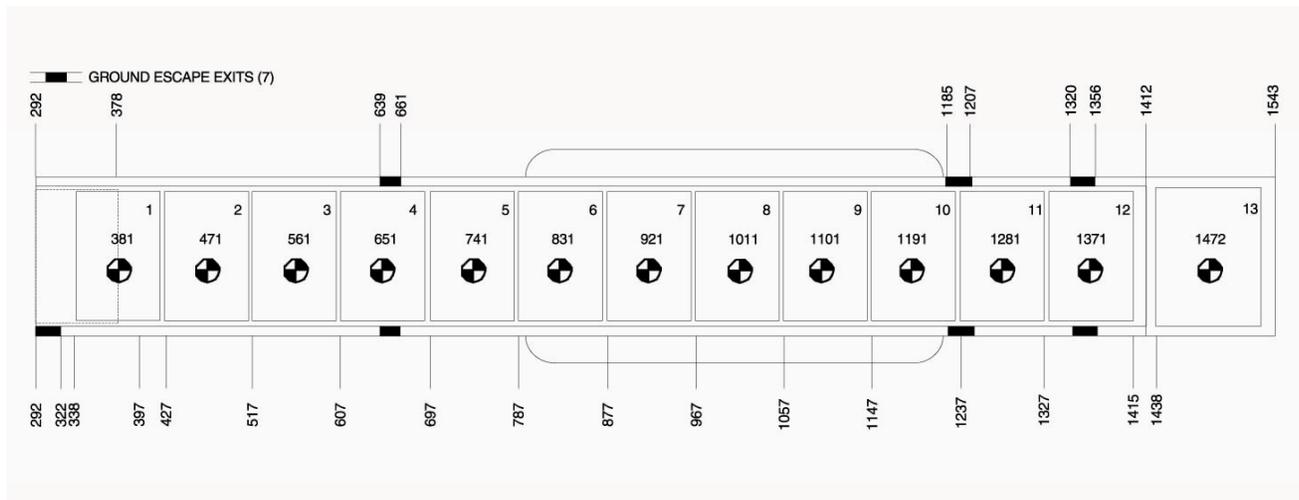
**NOTES:**

1. Forward cargo limit is at FS 322.
2. Restraint rails and rollers are stowed. Hinged walkways are stowed with hinged section hanging vertical to the floor or folded on top of walkways.
3. The dotted lines denote the crew rest facility.
4. Time to configure is two personnel-one-half hour.

**Table 3.8. C-3 Configuration.**

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>1939</b>		<b>145.0</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.8. C-3 Floor Plan.

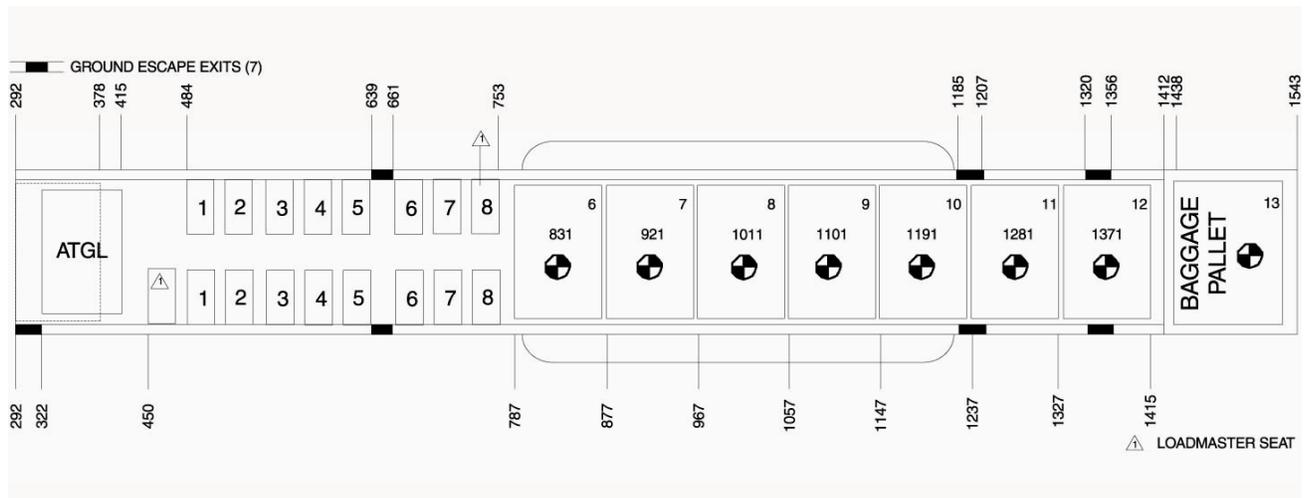
**NOTES:**

1. Restraint rails down and roller conveyors up. Hinged walkways will be in the extended position. Extension shall be accomplished prior to loading.
2. Normal stacking height of cargo on single pallets on the main cargo floor is 96 inches above the surface of the pallet. The maximum stacking height of cargo on single or married pallets on the main cargo floor (pallet positions 2 through 12) are 100 inches above the surface of the pallet(s). The maximum stacking height of cargo in pallet positions 1 (under crew rest facility) and 13 (ramp pallet) is 76 inches above the surface of the pallet.
3. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.
4. The dotted lines denote the crew rest facility.
5. Time to configure is two personnel one hour.

**Table 3.9. CP-1 Configuration.**

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	51	51	Distributed	3.1
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	51	26	Distributed	1.6
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4132</b>		<b>154.1</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Aft-facing	17	1598	Distributed	98.9
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3552</b>		<b>244.9</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.9. CP-1 Floor Plan.

**NOTES:**

1. 51 aft-facing seats--34-inch seat spacing except between Rows 5 and 6 which has a 46-inch spacing for emergency evacuation; 47 passenger seats offered. Crew seat installed between FS 450-471.
2. Cargo space between stations 787 and 1412. Seven pallet positions for cargo.
3. The dotted lines denote the crew rest facility.
4. Seats are numbered for identification and will be referred to as seat 1 left or seat 1 right, etc.
5. Restraint rails and rollers are stowed where seats are shown. Hinged walkways will be stowed with hinged section hanging vertical to the floor where seats are shown. Walkways will be extended in cargo area.
6. The side-facing seats immediately in front of the forward side emergency exits will be rolled when aft-facing seats are installed (see Paragraph 3.2.8.).
7. Time to configure is four personnel-four hours.
8. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.10. CP-2 Configuration.

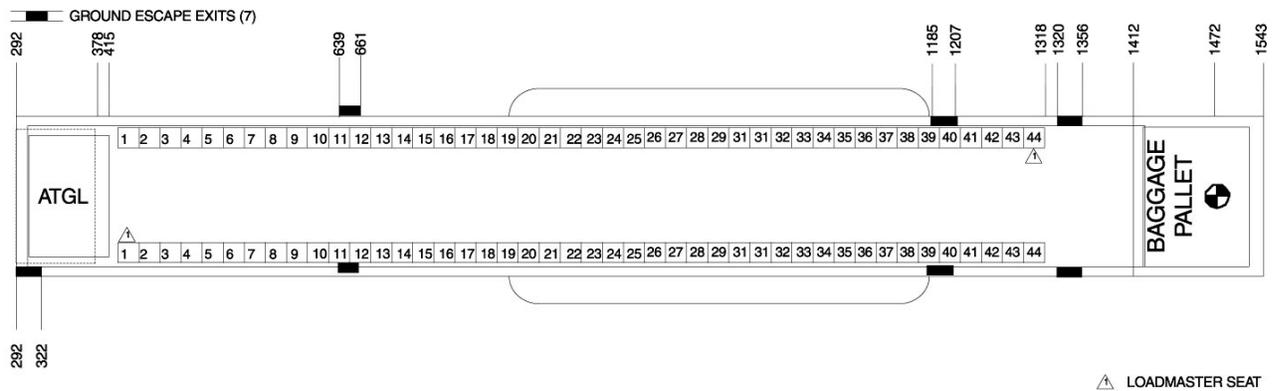
	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	105	105	Distributed	8.9
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	105	53	Distributed	4.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4213</b>		<b>162.7</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Aft-facing	35	3290	Distributed	274.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>5244</b>		<b>420.3</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8



Table 3.11. CP-3 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4055</b>		<b>149.4</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>1954</b>		<b>146.0</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.11. CP-3 Floor Plan.

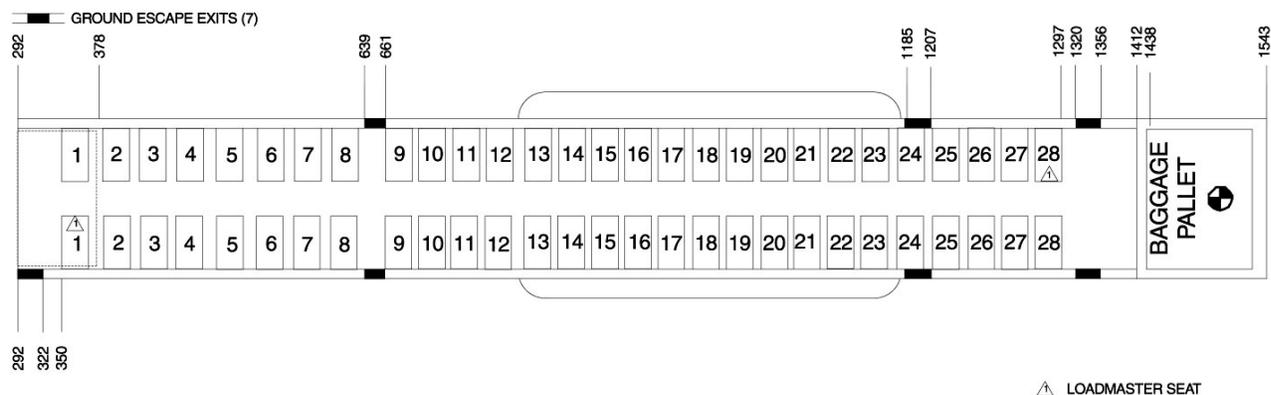
**NOTES:**

1. 88 troop seats--seat belts on 20-inch centers; 86-troop seats offered.
2. Cargo width is limited. When both sides of side-facing seats are in the down position, cargo is limited to approximately 80-inches in width to provide passenger comfort.
3. The dotted lines denote the crew rest facility.
4. Seats are numbered for identification and will be referred to as seat 1 left or seat 1 right, etc.
5. Restraint rails and roller conveyors should, when practical, be stowed except for the comfort pallet and baggage pallet. Hinged walkways should, when practical, be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
6. Time to configure is four personnel--three hours.
7. Ramp pallet is limited to 7,500 pounds which includes the weight of the pallet/nets.

Table 3.12. P-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	168	168	Distributed	14.0
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	168	84	Distributed	7.2
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>467</b>		<b>28.1</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	168	336	Distributed	30.9
Mask, Passenger, Oxygen	7	14	Distributed	1.3
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	8	1440	2@1420 1@1338 1@395 2@983 2@1440	169.5
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>2135</b>		<b>221.6</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Aft-facing	56	5264	Distributed	433.5
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Urinal, Portable	1	40	300	5.5
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>7258</b>		<b>585.0</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.12. P-1 Floor Plan.

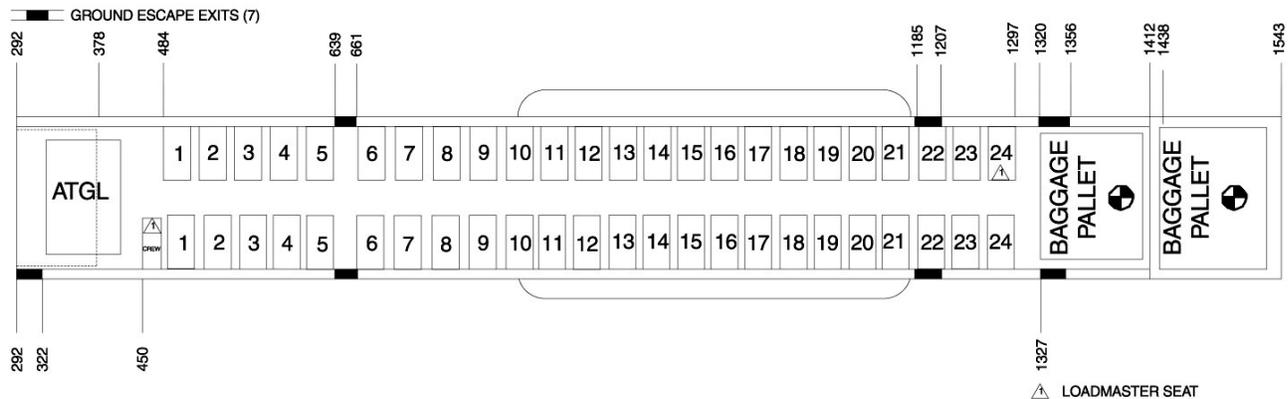
**NOTES:**

1. 168 aft-facing seats--34-inch seat spacing except between Rows 8 and 9 which has a 46-inch spacing for emergency evacuation; 166 passenger seats offered. 160 max allowed onboard over water (including crew). Additional life rafts will be required.
2. Portable urinal--station 1358-1398.
3. Recommend configuration for short-range missions.
4. Seats are numbered for identification and will be referred to as seat 1 left or seat 1 right, etc.
5. The dotted lines denote the crew rest facility.
6. The side-facing seats immediately in front of the forward side emergency exits and emergency gear access panels will be rolled when aft-facing seats are installed (see Paragraph 3.2.8.).
7. Restraint rails with roller conveyors are stowed except as required for baggage pallets. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
8. Time to configure is four personnel-six hours.
9. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.13. P-2 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	147	147	Distributed	12.9
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	147	74	Distributed	6.5
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4276</b>		<b>168.8</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Ref 6 Options</b>				
Raft, Life (20 Person)	2	360	1440	51.8
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Aft-facing	49	4606	Distributed	402.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>6560</b>		<b>548.3</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.13. P-2 Floor Plan.

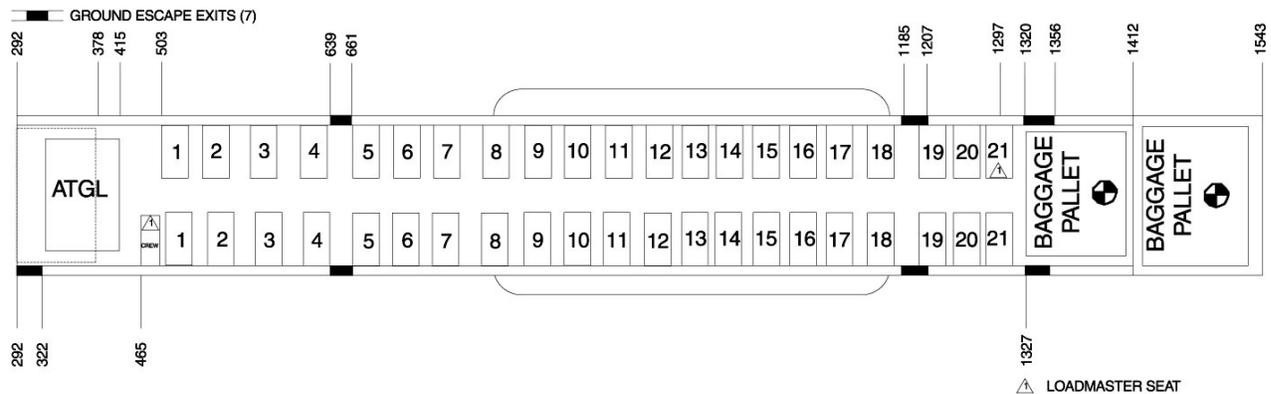
**NOTES:**

1. 147 aft-facing seat--34-inch seat spacing except between Rows 5 and 6 which has a 46-inch spacing for emergency evacuation; 143 passenger seats offered. 160 maximum allowed onboard over water (including crew). Additional life rafts will be required. Crew seat installed between FS 450-471.
2. The dotted lines denote the crew rest facility.
3. Passenger configuration recommended for long-range missions.
4. Seats are numbered for identification and are referred to as seat 1 left, or seat 1 right, etc.
5. The side-facing seats immediately in front of the forward side emergency exits and emergency gear access panels will be rolled when aft-facing seats are installed.
6. Restraint rails and roller conveyors are stowed except as required for comfort and baggage pallets. Hinged walkways are stowed with hinged section hanging vertical to the floor.
7. Time to configure is four personnel-five hours.
8. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.14. P-3 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	129	129	Distributed	11.4
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	129	65	Distributed	5.7
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4249</b>		<b>166.5</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.1
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	7	1260	2@1420 1@1338 1@395 2@983 1@1440	143.6
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1905</b>		<b>190.6</b>
<b>Ref 6 Options</b>				
Raft, Life (20 Person)	1	180	1440	25.9
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Aft-facing	43	4042	Distributed	356.1
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>5996</b>		<b>502.1</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.14. P-3 Floor Plan.

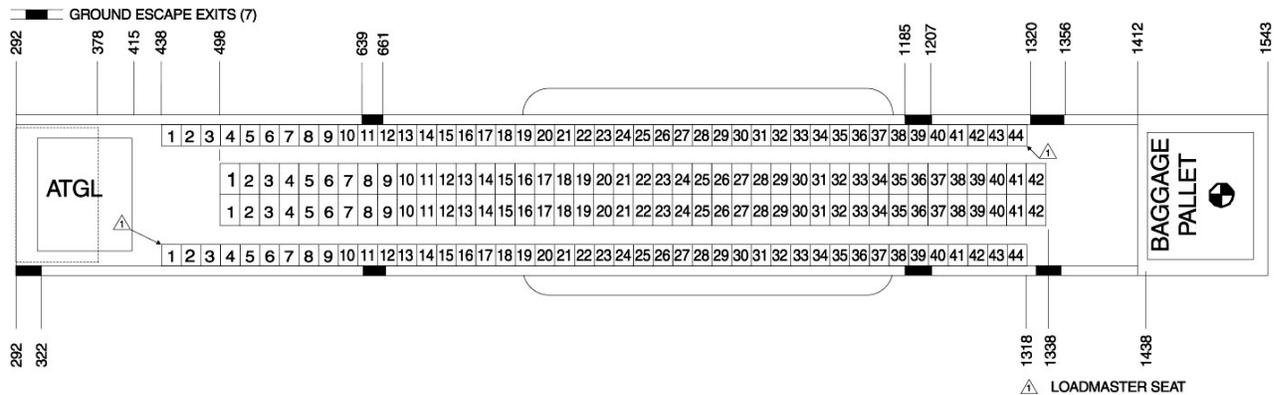
**NOTES:**

1. 129 aft-facing seat--38-inch seat spacing except between Rows 4 and 5 which has a 46-inch spacing for emergency evacuation; 125 passenger seats offered. Additional life rafts are required for over water flights. Crew seat installed between FS 465-487.
2. The dotted lines denote the crew rest facility.
3. Passenger configuration recommended for long-range missions.
4. Seats are numbered for identification and are referred to as seat 1 left, or seat 1 right, etc.
5. The side-facing seats immediately in front of the forward side emergency exits and emergency gear access panels will be rolled when aft-facing seats are installed (see Paragraph 3.2.8.).
6. Restraint rails and roller conveyors are stowed except as required for comfort and baggage pallets. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
7. Time to configure is four personnel-four hours.
8. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.15. P-4 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4055</b>		<b>149.4</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	8	1440	2@1420 1@1338 1@395 2@983 2@1440	169.5
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>2085</b>		<b>217.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Center, w/Stanchions/Oxygen Masks	42	1255	Distributed	110.4
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3209</b>		<b>256.4</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.15. P-4 Floor Plan.



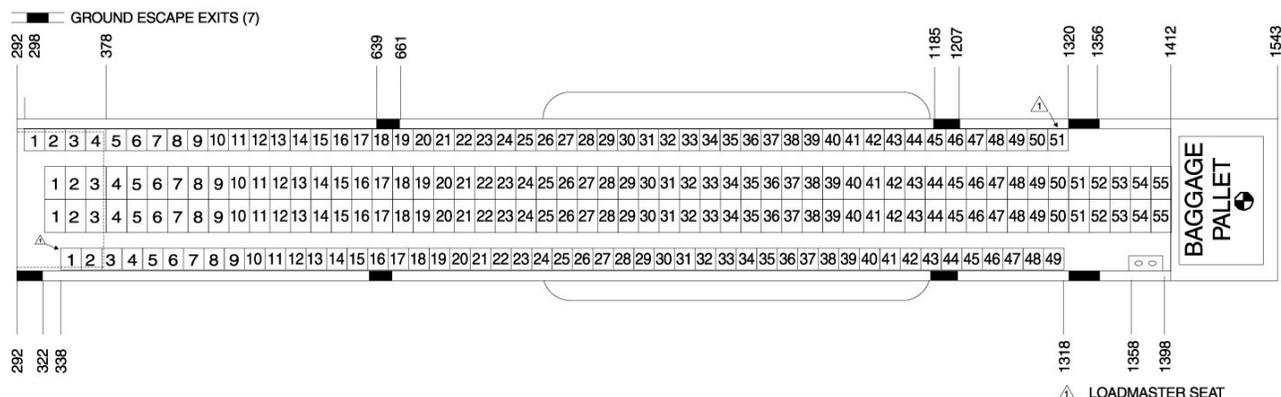
**NOTES:**

1. 172 troop seats--seat belts on 20-inch centers--170 troop seats offered. 160 max allowed onboard over water (including crew). Additional life rafts will be required.
2. Ramp pallet is limited to 7,500 pounds, which will include the weight of the pallet/nets.
3. Seats are numbered for identification and will be referred to as sidewall seat 1 left/seat 1 right or centerline seat 1 left/seat 1 right.
4. The dotted lines denote the crew rest facility.
5. Restraint rails and roller conveyors will be stowed except as required for the comfort and baggage pallets. Hinged walkways will be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
6. Time to configure is four personnel-eight hours.
7. When utilizing two pallet positions, approximately 166 troop seats should be available.
8. When utilizing three pallet positions, approximately 146 troop seats should be available.

Table 3.16. P-5 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	200	400	Distributed	36.9
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	8	1440	2@1420 1@1338 1@395 2@983 2@1440	169.5
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>2185</b>		<b>226.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Center, w/Stanchions/Oxygen Masks	54/2	1674	Distributed	143.1
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Urinal, Portable	1	40	1378	5.5
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3668</b>		<b>294.6</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.16. P-5 Floor Plan.



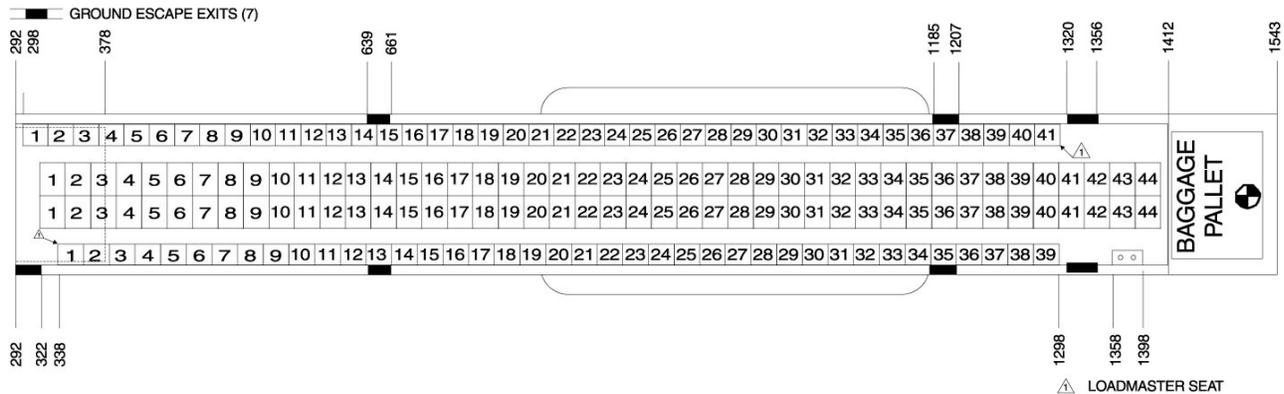
**NOTES:**

1. 210 troop seats--seat belts on 20-inch centers--208 troop seats offered. 160 max allowed onboard over water (including crew). Additional life rafts will be required. Due to oxygen requirements, 200 personnel maximum.
2. Portable urinal--station 1358-1398.
3. Seats are numbered for identification and will be referred to as sidewall seat 1 left/seat 1 right or centerline 1 left/seat 1 right, etc.
4. Ramp load is limited to 7500 pounds, which will include the weight of the baggage pallet and nets. All excess troop baggage must be stowed under troop seats.
5. The dotted lines denote the crew rest facility.
6. Restraint rails and roller conveyors will be stowed except as required for the baggage pallet. Hinged walkways will be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
7. Time to configure is four personnel-seven hours. Latrine facilities limit flight duration to approximately three hours.
8. When utilizing two pallet positions, approximately 196-troop seats should be available.
9. When utilizing three pallet positions, approximately 176-troop seats should be available.

Table 3.17. P-6 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	166	332	Distributed	30.6
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	8	1440	2@1420 1@1338 1@395 2@983 2@1440	169.5
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>2117</b>		<b>220.0</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, Center, w/Stanchions/Oxygen Masks	54/2	1674	Distributed	143.1
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Bumper, Head	1	9	310	0.3
Urinal, Portable	1	40	1378	5.5
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3668</b>		<b>294.6</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.17. P-6 Floor Plan.

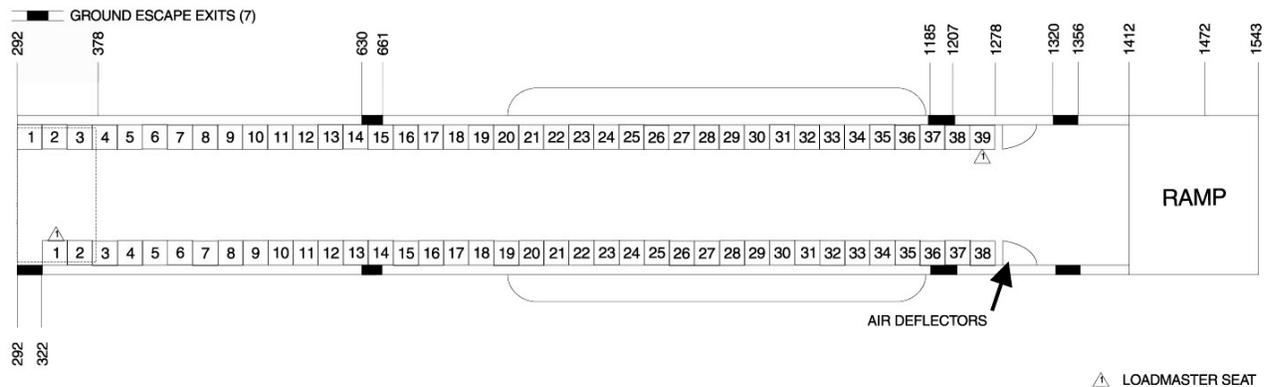
**NOTES:**

1. 168 troop seats--seat belts on 24-inch centers--166 troop seats offered. 160 max allowed onboard over water (including crew). Additional life rafts will be required.
2. Portable urinal--station 1358-1398.
3. Restraint rails and roller conveyors will be stowed except as required for the baggage pallet. Hinged walkways will be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
4. Seats are numbered for identification and will be referred to as sidewall seat 1 left/seat 1 right or centerline seat 1 left/seat 1 right, etc.
5. The dotted lines denote the crew rest facility.
6. Time to configure is four personnel-seven hours. Latrine facilities limit flight duration to approximately four hours.
7. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.
8. When utilizing two pallet positions, approximately 159-troop seats should be available.
9. When utilizing three pallet positions, approximately 139-troop seats should be available.

Table 3.18. ADP-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Preserver, Life LPU 2/P or 10/P	6	24	360	0.8
Parachute (Back)	6	168	360	6.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1917</b>		<b>172.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Signs, Personnel Warning	2	6	958/1412	0.7
Winches, Static Line Retriever	2	110	343	3.8
Anchor Cables (installed) (Short cables)	2	43	Distributed	3.7
Air Deflector Doors	2	175	1310	22.9
Jump Platforms	2	41	1338	5.5
Paratroop Retriever Bar	2	12	1398	1.6
Drop kit (tape, cord, etc.)	1	10	440	0.4
Straps, CGU-1B	50	200	Distributed	17.6
Chains, MB-1	40	280	408	11.4
Chains, MB-2	20	400	448	17.9
Devices, MB-1	40	140	978	13.7
Devices, MB-2	20	120	1025	12.3
Intermediate support	2	35	1370	4.8
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>2371</b>		<b>188.4</b>

Figure 3.18. ADP-1 Floor Plan.

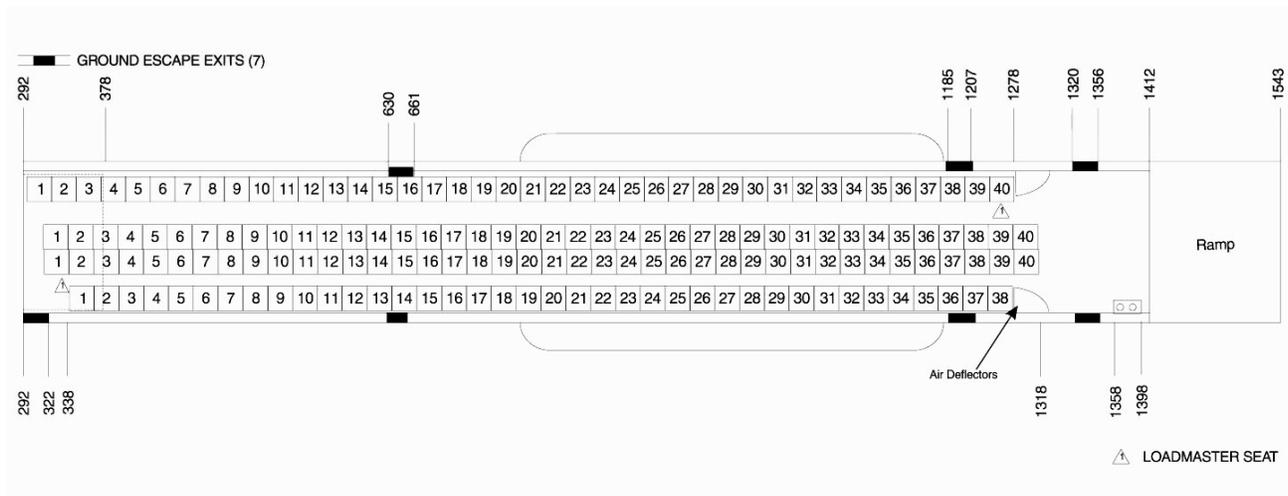
**NOTES:**

1. 77 troop seats--seat belts on 24-inch centers--75 troop seats offered.
2. Seats are numbered for identification and will be referred to as seat 1 left and seat 1 right, etc.
3. Restraint rails forward of FS 1288 may be stowed either up or down depending upon previous configuration. Rail sections aft of FS 1288 will be removed and stowed aft of FS 1412. Hinged walkways may be stowed either with hinged section hanging vertical to the floor or extended depending upon configuration of the rail. Roller conveyors throughout the aircraft floor will be stowed.
4. The dotted lines denote the crew rest facility.
5. Time to configure is four personnel--four hours.
6. When dropping Standard Airdrop Training Bundles (SATB) air deflector(s) are required to be installed. Jump platforms and anchor cables may be installed.
7. Ramp load is limited to 7500 pounds, which includes the weight of the pallet/nets.

Table 3.19. ADP-2 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Preserver, Life, LPU 2/P or 10/P	6	24	360	0.8
Parachute (Back)	6	168	360	6.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	158	316	Distributed	29.1
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	8	1440	2@1420 1@1338 1@395 2@983 2@1440	169.5
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>2293</b>		<b>225.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, center and stanchions w/oxygen masks (2/1 person)	49/2	1302	Distributed	104.2
Signs, Personnel Warning	2	6	958/1412	0.7
Winches, Static Line Retriever	2	110	343	3.8
Anchor Cables (installed) (Short cables)	4	86	Distributed	7.4
Air Deflector Doors	2	175	1310	22.9
Jump Platforms	2	41	1338	5.5
Paratroop Retriever Bar	2	12	1398	1.6
Drop kit (tape, cord, etc.)	1	10	440	0.4
Straps, CGU-1B	50	200	Distributed	17.6
Chains, MB-1	40	280	408	11.4
Chains, MB-2	20	400	448	17.9
Devices, MB-1	40	140	978	13.7
Devices, MB-2	20	120	1025	12.3
Intermediate support	2	35	1370	4.8
Portable Urinal	1	40	1378	5.5
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3756</b>		<b>301.8</b>

Figure 3.19. ADP-2 Configuration.

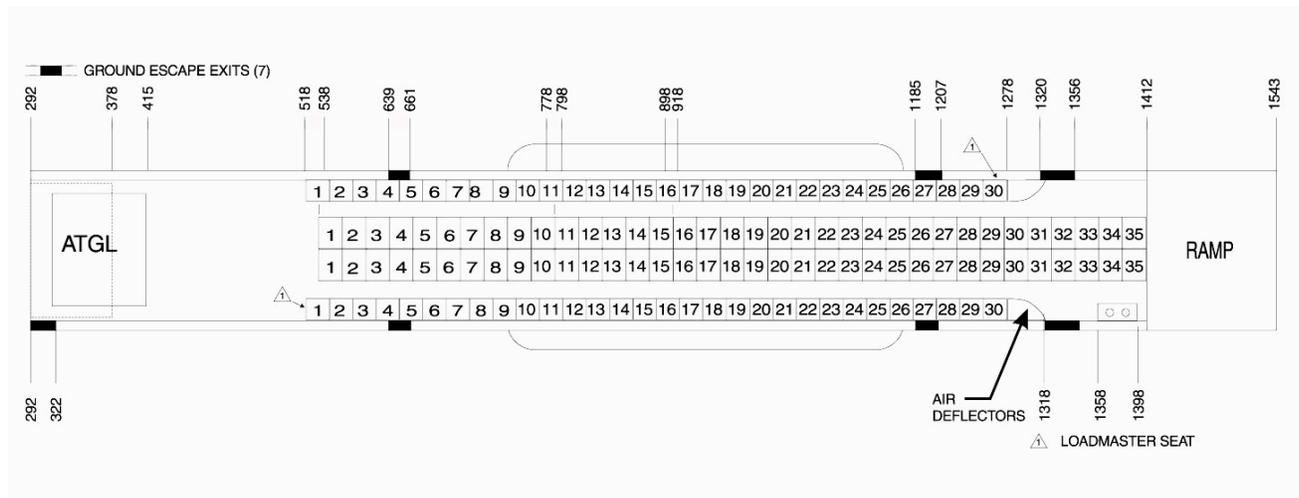
**NOTES:**

1. 158-troop seats--seat belts on 24-inch centers--156 troop seats offered. 160 maximum allowed onboard overwater (including crew). Additional life rafts will be required. **EXCEPTION:** When using alternate drop method, sidewall and centerline seats forward of F.S. 438 will be raised and secured. (Using this method limits total seats to 142, 140 troop seats offered).
2. Portable urinal--Station 1358-1398.
3. Restraint rails and roller conveyors will be stowed. Hinged walkways may be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
4. Seats are numbered for identification and will be referred to as sidewall seat 1 left/seat 1 right or centerline seat 1 left/seat 1 right, etc.
5. The dotted lines denote the crew rest facility.
6. Time to configure is four personnel-seven hours. Latrine facilities limit flight duration to approximately four hours.
7. When dropping the (SATB), the air deflector door(s) are required to be installed. Jump platforms and anchor cables may be installed.
8. Disconnect seat bottom support tubes and unzip the seat bottoms at fuselage stations 518, 718, 958 and 1158.
9. Ramp load is limited to 7500 pounds, which includes the weight of the pallet/nets.

Table 3.20. ADP-3 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4055</b>		<b>149.4</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Preserver, Life, LPU 2/P or 10/P	6	24	360	0.8
Parachute (Back)	6	168	360	6.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	7	1260	2@1420 1@1338 1@395 2@983 1@1440	143.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>2097</b>		<b>198.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Seats, center and stanchions w/oxygen masks (2/1 person)	34/2	1068	Distributed	104.7
Signs, Personnel Warning	2	6	958/1412	0.7
Winches, Static Line Retriever	2	110	343	3.8
Anchor Cables (installed) (Short cables)	4	86	Distributed	7.4
Air Deflector Doors	2	175	1310	22.9
Jump Platforms	2	41	1338	5.5
Paratroop Retriever Bar	2	12	1398	1.6
Drop kit (tape, cord, etc.)	1	10	440	0.4
Straps, CGU-1B	50	200	Distributed	17.6
Chains, MB-1	40	280	408	11.4
Chains, MB-2	20	400	448	17.9
Devices, MB-1	40	140	978	13.7
Devices, MB-2	20	120	1025	12.3
Intermediate support	2	35	1370	4.8
Portable Urinal	1	40	1378	5.5
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3522</b>		<b>302.3</b>

Figure 3.20. ADP-3 Configuration.

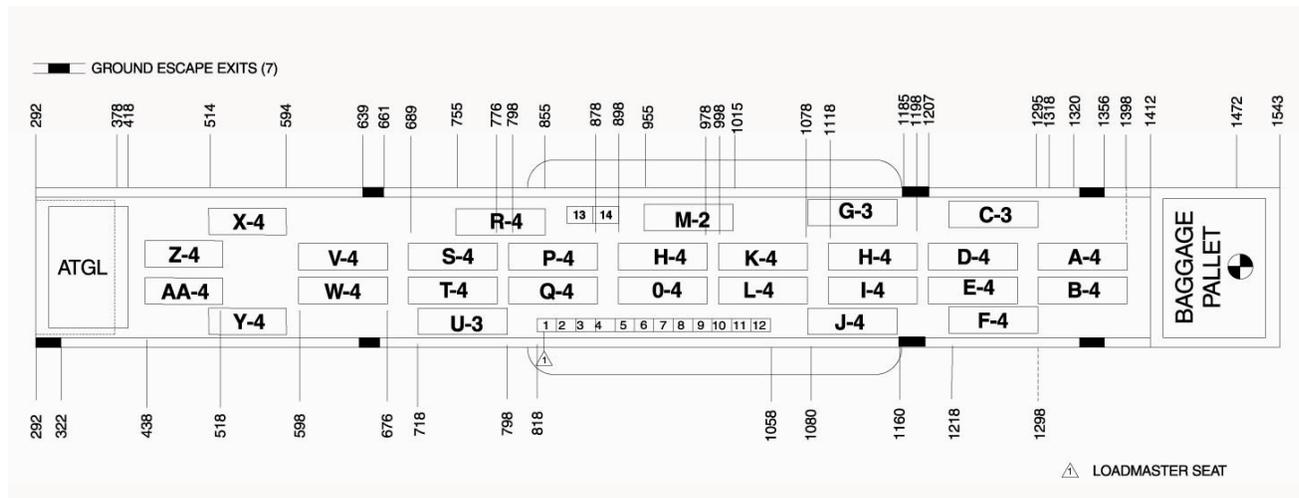
**NOTES:**

1. 130 troop seats.--seat belts on 24-inch centers-128 seats offered. Additional life rafts will be required for over water flights.
2. Seats are numbered for identification and will be referred to as sidewall seat 1 left/seat 1 right or centerline seat 1 left/seat 1 right.
3. Restraint rails and roller conveyors will be stowed except for comfort pallet. Hinged walkways may be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
4. The dotted lines denote the crew rest facility.
5. Time to configure is four personnel-seven hours.
6. For inflight rigging, delete centerline seats forward of FS 538, between FS 778-898 and aft of FS 1318. Left and right outboard seats will be raised forward of FS 518 and between FS 798-918. 102 troop seats-seat belts on 24-inch centers-100 troop seats offered (39 seats in forward section and 61 seats in aft section).
7. If required, seat belts may be installed on 20-inch centers for inflight rigging ONLY. Delete centerline seats forward of FS 538, between FS 778-898 and aft of FS 1318. Left and right outboard seats will be raised forward of FS 518 and between FS 798-918. 130 troop seats-seat belts on 20-inch centers-128 seats offered (51 seats in forward section and 77 seats in aft section).
8. Ramp load is limited to 7500 pounds, which includes the weight of the pallet/nets.
9. When dropping the (SATB), the air deflector door(s) are required to be installed. Jump platforms and anchor cables may be installed.
10. Disconnect seat bottom support tubes and unzip the seat bottoms at fuselage stations 718, 958, 1158, and 1278.

Table 3.21. ADP-4 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4055</b>		<b>149.4</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Preserver, Life, LPU 2/P or 10/P	6	24	360	0.8
Parachute (Back)	6	168	360	6.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1917</b>		<b>172.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Signs, Personnel Warning	2	6	958/1412	0.7
Winches, Static Line Retriever	2	110	343	3.8
Anchor Cables (installed) (Short cables)	4	86	Distributed	7.4
Air Deflector Doors	2	175	1310	22.9
Jump Platforms	2	41	1338	5.5
Paratroop Retriever Bar	2	12	1398	1.6
Drop kit (tape, cord, etc.)	1	10	440	0.4
Straps, CGU-1B	50	200	Distributed	17.6
Chains, MB-1	40	280	408	11.4
Chains, MB-2	20	400	448	17.9
Devices, MB-1	40	140	978	13.7
Devices, MB-2	20	120	1025	12.3
Intermediate support	2	35	1370	4.8
Center seats/litter stanchions w/oxygen masks (2 person)	10	334	Distributed	29.4
User-provided equip (32 litters)		300	Distributed	36.0
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>3048</b>		<b>257.5</b>

Figure 3.21. ADP-4 Floor Plan.

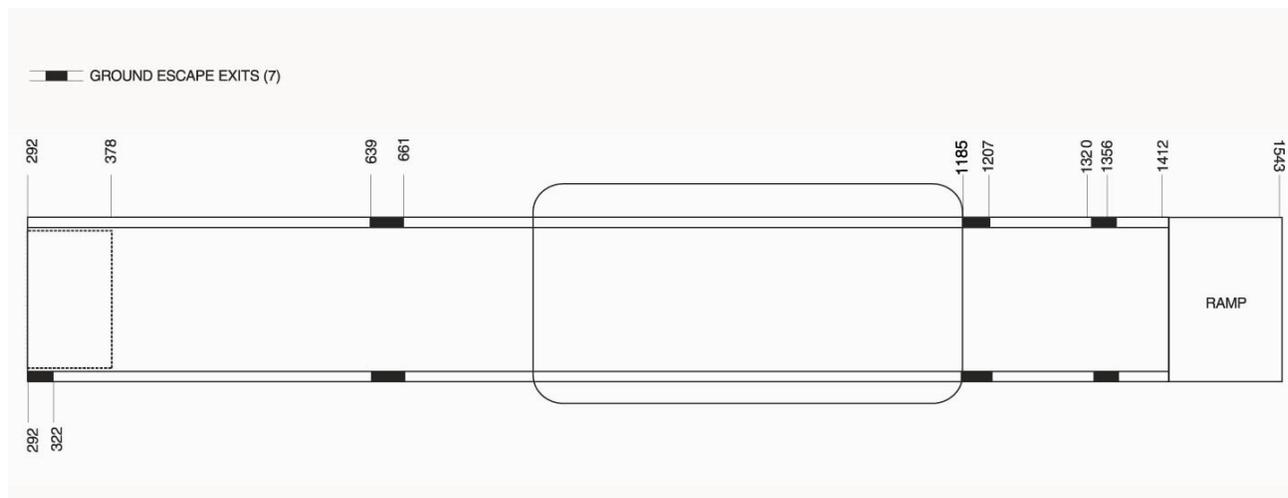
**NOTES:**

1. 86 troop seats--seat belts on 24-inch centers--84 seats offered.
2. 60 sidewall seats installed on 24-inch centers, 1 through 30 left and right.
3. 26 centerline seats installed on 24-inch centers. Stanchions start FS 538 and end FS 888.
4. 32 litter spaces provided. Stanchions start FS 998 and end FS 1398.
5. Ramp load is limited to 7500 pounds, which includes the weight of the pallet/nets.
6. Area between station 888 through 998 may be used for stowage of parachutes, weapon cases, paratrooper combat equipment.
7. Restraint rails and roller conveyors will be stowed except for comfort and baggage pallets. Hinged walkways may be stowed with hinged section hanging vertical to the floor or folded on top of walkways.
8. Litters rolled or removed prior to airdrop. Litter straps will be rolled or removed and stowed.
9. If required, seat belts may be installed on 20-inch centers for inflight rigging ONLY. 108 troop seats--seat belts on 20-inch centers-106 seats offered (32 seats down center and 74 seats down left and right outboard).
10. With centerline seats deleted and sidewall seats on 20-inch centers for inflight rigging ONLY, 84 troop seats with 82 troop seats offered. 72 litter spaces may be installed with stanchions starting at FS 438 and ending at FS 1398.
11. Time to configure is four personnel-six hours.
12. When dropping the (SATB), the air deflector door(s) are required to be installed. Jump platforms and anchor cables may be installed.
13. Disconnect seat bottom support tubes and unzip the seat bottoms at fuselage stations 718, 958, and 1158.

Table 3.22. ADC-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Preserver, Life, LPU 2/P or 10/P	6	24	360	0.8
Parachute (Back)	6	168	360	6.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1917</b>		<b>172.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Drop kit (tape, cord, etc.)	1	10	440	0.4
Straps, CGU-1B	50	200	Distributed	17.6
Chains, MB-1	40	280	408	11.4
Chains, MB-2	20	400	448	17.9
Devices, MB-1	40	140	978	13.7
Devices, MB-2	20	120	1025	12.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>1949</b>		<b>145.4</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.22. ADC-1 Floor Plan.

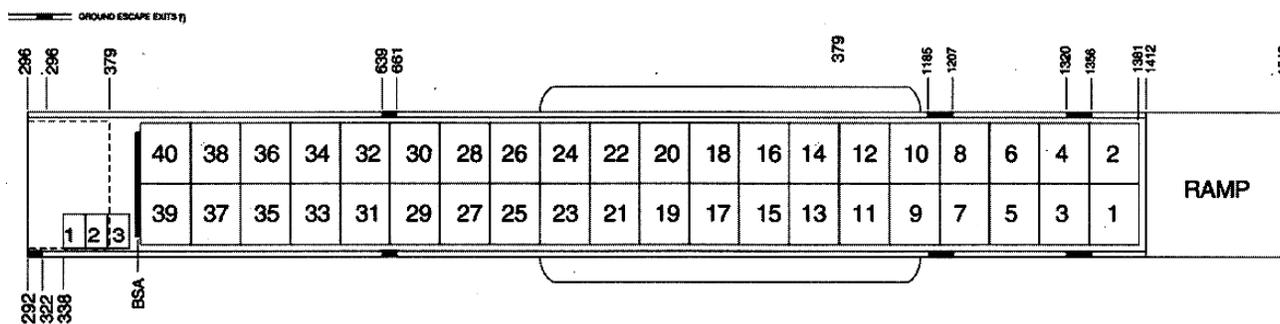
**NOTES:**

1. All restraint rails down and roller conveyors up. Functional check required. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
2. Prior to airdrop of single/sequential platform(s), calculations will be made to determine the aircraft CG after each platform(s) has exited to ensure that CG flight limits are not exceeded.
3. Do not program more than 88 feet of modular platforms for airdrops. Space intervals between platforms will vary depending on sizes of the platform. For platforms positioned forward of FS 378, load height profile limits must be adjusted to allow a six-inch minimum clearance between the airdrop load and the crew rest facility. For that portion of the airdrop platform extending under the crewrest facility, the maximum height is 74" measured from the bottom of the platform.
4. The dotted lines denote the crew rest facility.
5. Seating availability is dependent on the number of platform loads.
6. Time to configure is four personnel-three hours.

Table 3.23. CDS-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Pillows, Large, w/cases	6	12	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>215</b>		<b>6.9</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Preserver, Life, LPU 2/P or 10/P	6	24	360	0.8
Parachute (Back)	6	168	360	6.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1917</b>		<b>172.1</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Side-facing (2/1 person)	49/2	651	Distributed	55.3
Van Zelm Ratchets	8	40	Distributed	3.4
Buffer Stop Assembly	1	575	400	23.0
Winches, Static Line Retriever	2	110	343	3.8
Anchor Cables (installed)	2	Basic	Distributed	3.9
Overhead Pulley Assembly (w/two straps each)	2	10	Distributed	0.8
Emergency Aft Restraint Bridle	1	10	400	0.4
Drop kit (tape, cord, etc.)	1	10	440	0.4
Straps, CGU-1B	50	200	Distributed	17.6
Chains, MB-1	40	280	408	11.4
Chains, MB-2	20	400	448	17.9
Devices, MB-1	40	140	978	13.7
Devices, MB-2	20	120	1025	12.3
Bridge Rollers	4	11	1418	1.5
Remote Control	1	6	326	0.2
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>2711</b>		<b>182.4</b>

Figure 3.23. CDS-1 Floor Plan.



**NOTES:**

1. Up to 40 A-22 containers may be airdropped.
2. Hinged walkways will be stowed with hinged sections hanging vertical to the floor.
3. Buffer stop shall be positioned at FS 400 for full loads, and adjusted aft as necessary to accommodate a lesser number of containers.
4. Single stick delivery may be accomplished by loading containers on centerline vice left or right.
5. Time to configure is four personnel-two hours.

**Centerline Vertical Restraint (CVR) System.**

ITEM	QUANTITY	WEIGHT	STATION	MOMENT
Aft ramp assembly	1	25 lbs	1500	3.8
Forward ramp assembly	1	27 lbs	1442	4.0
Aft cargo ramp assembly	1	23 lbs	1389	3.2
Interchangeable main assembly (80")	12	42 lbs ea	variable	-
Interchangeable main assembly (40")	2	21 lbs ea	variable	-

**NOTES:**

- \* For high altitude airdrop above 10,000 feet Mean Sea Level (MSL) an oxygen console will be provided for personnel in the cargo compartment.
- \* For high altitude airdrop above 14,000 feet MSL a minimum of five restraint harnesses will be substituted for parachutes. Parachutes may remain on board for the mission.

**Table 3.24. M-1 Configuration.**

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	1	50	300	1.5
Jug, Coffee	1	25	285	0.7
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>85</b>		<b>2.6</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
*Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
*Minimum Survival Kit	1	15	371	0.6
<b>Ref 6 Totals</b>		<b>1095</b>		<b>118.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Straps, CGU-1B	10	40	Distributed	4.0
KIT No 10, Rollers, etc.	1	1198	Distributed	130.0
Seats, Side-Facing (2 person)	3	39	Distributed	1.0
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>1425</b>		<b>151.8</b>

**NOTE:** Due to maximum zero fuel weight restrictions, the following items may have to be removed at home station to ensure that zero fuel weight will be maintained below 239558 pounds. An adjustment will be made to the aircraft basic weight for the removal of appropriate items:

MISC. EQUIPMENT	WEIGHT	MOMENT
a. Auxiliary loading ramps, two each	282	40.8
b. Restraint rail end bumpers, two each	28	0.9
c. Restraint rails, #1, 2, 3, and 4, left and right	544	27.7
d. Tiedown fittings (all except 10 each 10,000 pound fittings)	110	4.3
e. Anchor cables and reels, two each	58	2.3
f. Oxygen masks, 35 containers	70	2.8
g. Whiffletree snatch blocks, two each	12	0.4
h. Cargo winch, with guide and snatch block	314	8.7
i. Emergency Aeromedical Evacuation Equipment	<u>316</u>	<u>29.4</u>
<b>TOTAL</b>	<b>1734</b>	<b>117.3</b>

**NOTES:**

1. LOX weighs 2.5 pounds each liter.
2. Loadmaster will ensure reference No 1 entry on DD Form 365-4 reflects the adjusted basic weight/moment. Enter the following comment in the remarks column of DD Form 365-4: "Ref No. 1 adjusted IAW AFI 11-2C-141, Vol 3, Addenda A." Maintenance will make the following entry in AFTO 781A, Maintenance Discrepancy and Work Document when aircraft configuration is complete: "ACFT configured M-1 IAW AFI 11-2C-141V3, Addenda A." This entry is required, since it affects aircraft weight and balance which is critical for this particular configuration.
3. \* If necessary, wing life rafts may be removed to satisfy maximum zero fuel weight restrictions. If rafts are removed, a minimum survival kit is required.

Figure 3.24. M-1 Floor Plan.

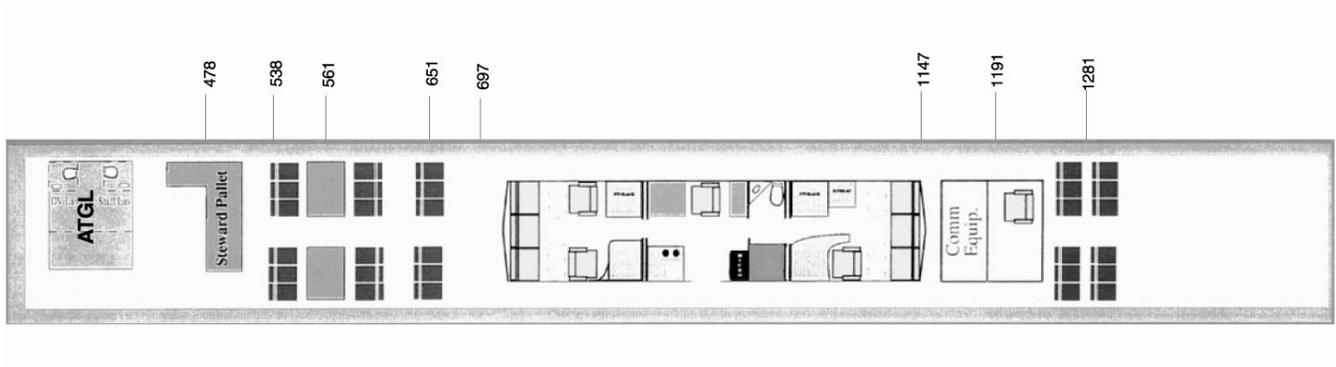
**NOTES:**

1. Refer to TO 1C-141B-9, section VI, for specific procedures and instructions.
2. SSCBM Loading Kit No 10, installed. All unnecessary equipment should be removed in order not to exceed zero fuel weight restrictions.
3. The dotted lines denote the crew rest facility.
4. Hinged walkways will be in the stowed positioned with hinged section folded on top of walkway.
5. Time to configure is six personnel-six hours.

Table 3.25. DV-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	45	45	Distributed	3.9
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	45	23	Distributed	2.0
Sheets	20	10	360	0.4
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4133</b>		<b>155.7</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Aft-facing	10	940	Distributed	50.8
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
DV Pallets	5	15390	913	1405.1
DV Comm Pallet	1	4200	1173	492.7
DV Step	1	70	1338	9.4
Curtains, set	1	15	920	1.4
Tables Serving	2	80	562	4.4
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>21998</b>		<b>2054.5</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.25. DV-1 Floor Plan.

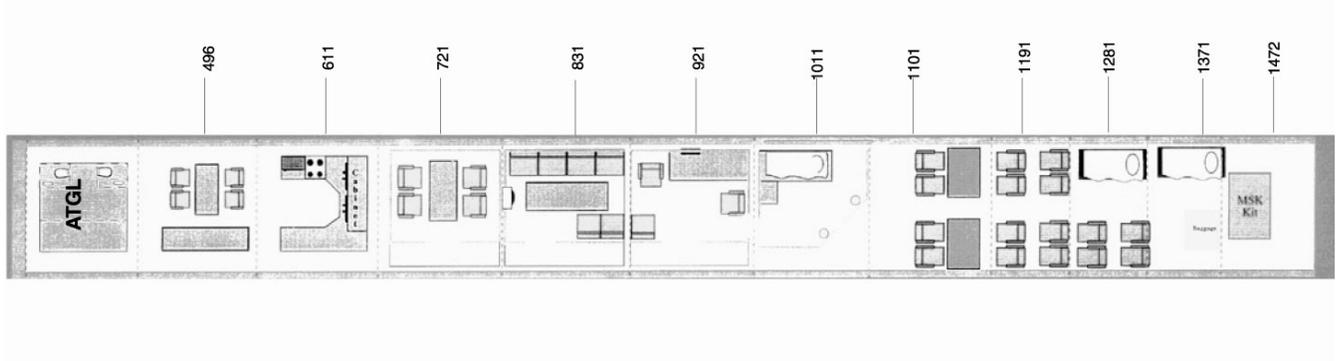
**NOTES:**

1. Oxygen Supply-Oxygen hooked up at station 675 to station 845 from each individual passenger oxygen outlet to form one outlet at station 675.
2. Electric Supply-Electric power is supplied from two fittings at station 663 A/C utility and D/C aeromedical equipment.
3. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
4. Five pallets are joined together to form one unit in addition to the ATGL pallet.
5. 30 aft-facing seats are normally installed on 42-inch centers.
6. The dotted lines denote crew rest facility.
7. Time to configure is four personnel--12 hours.
8. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/net.

Table 3.26. DV-2 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	45	45	Distributed	3.9
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	45	23	Distributed	2.0
Sheets	10	5	360	0.2
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4128</b>		<b>155.5</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
DV Food Prep Pallet	1	1510	496	74.9
DV Kitchen Pallet	1	2520	611	154.0
DV Conference Pallet	1	2470	721	178.1
DV Lounge Pallet	1	1710	831	142.1
DV Office Pallet	1	1970	921	181.4
DV Bedroom Pallet	1	1940	1011	196.1
DV Staff Seating and Tables	1	900	1101	99.1
DV Staff Seating Pallet	1	980	1191	116.7
DV Seating and Bunk Pallet	1	1220	1281	156.3
DV Baggage and Bunk Pallet	1	1220	1371	167.3
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain/Devices, MB-1	40	420	Distributed	25.1
Chain/Devices, MB-2	20	520	Distributed	30.2
DV Step	1	70	1338	9.4
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>17813</b>		<b>1566.1</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.26. DV-2 Floor Plan.

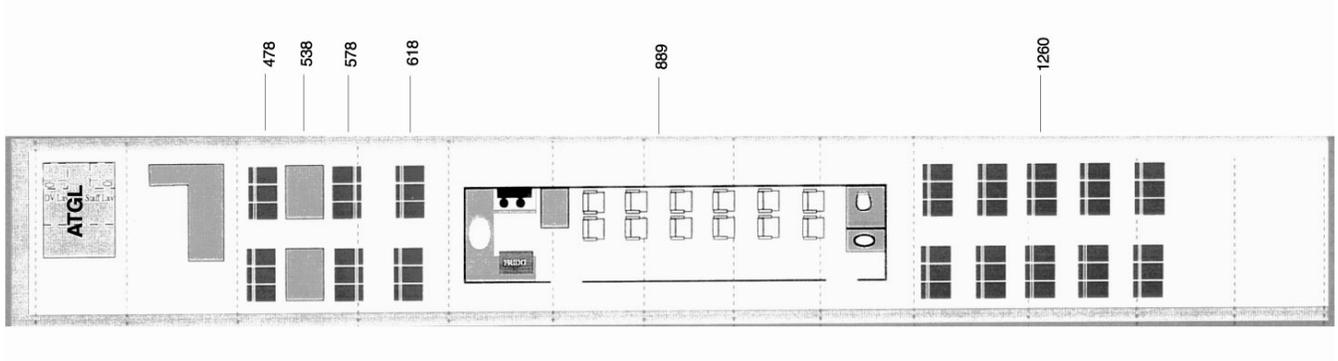
**NOTES:**

1. 33 seats for personnel are offered in this configuration (13 internal and 20 external) in its normal configuration. Four tables with facing double seats. Seat spacing is 42 inches.
2. The dotted lines denote table centerline tiedown placement.
3. Troop door steps installed left side, weather curtain installed aft of PP 12.
4. Attach cannon plug for table between seats 1 and 2 to AC outlet to STA 663. Attach cannon plug for table between seats 3 and 4 to AC outlet at STA 857 (right side).
5. Attach cannon plug for table between seats 1 and 2 to AC outlet at STA 700. Attach cannon plug for table between seats 3 and 4 to AC outlet at STA 955 (left side).
6. Restraint rails and roller conveyors stowed except where needed. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
7. Time to configure, four personnel--six hours.

Table 3.27. DV-3 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	65	65	Distributed	5.6
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	65	33	Distributed	2.8
Sheets	10	5	360	0.2
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4158</b>		<b>158.0</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
DV PSK-5 Pallet	1	12700	889	1129.0
Seats, Aft-facing	10	940	Distributed	50.8
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
Tables	2	80	562	4.4
DV Step	1	70	1338	9.4
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>15093</b>		<b>1284.3</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.27. DV-3 Floor Plan.

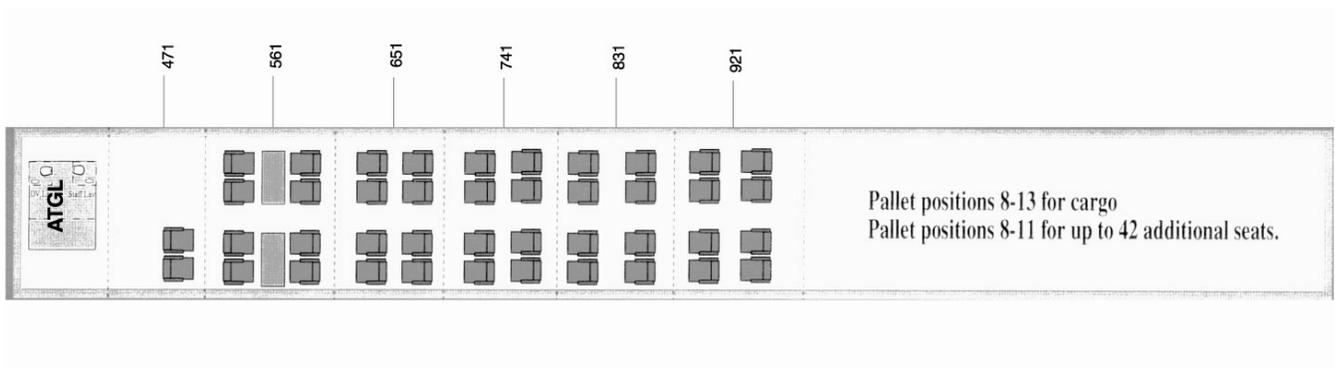
**NOTES:**

1. 40 Aft-facing seats are offered (30 externally and 10 internally). Two tables with facing double seats, left and right side, total of two tables. Seat spacing 34 inches.
2. The dotted lines denote table centerline tiedown placement.
3. Attach cannon plug for table between seats 1 and 2 to AC outlet at STA 633. Attach cannon plug for table between seats 3 and 4 to AC outlet and STA 857 (right side).
4. Attach cannon plug for table between seats 1 and 2 at AC outlet at STA 700. Attach cannon plug for table between seats 3 and 4 to AC outlet at STA 955 (left side).
5. Restraint rails and roller conveyors stowed except where needed. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
6. Time to configure, four personnel--six hours.
7. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.28. DV-4 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	2	100	300	3.0
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Blankets, Large	10	35	360	1.3
Blankets, Small	98	98	Distributed	8.6
Pillows, Large, w/cases	6	12	360	0.4
Pillows, Small, w/cases	80	40	Distributed	3.5
Sheets	10	5	360	0.2
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, In-flight Feeding	N/A	220	371	8.2
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>4198</b>		<b>161.7</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
DV Staff Seating Pallet	1	856	471	40.3
DV Staff Seating Pallets	5	5150	741	381.6
Signs, Personnel Warning	2	6	958/1412	0.7
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
DV Step	1	70	1338	9.4
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>7379</b>		<b>522.0</b>
<b>Ref 7 Options</b>				
Winches, Static Line Retriever	2	110	343	3.8

Figure 3.28. DV-4 Floor Plan.

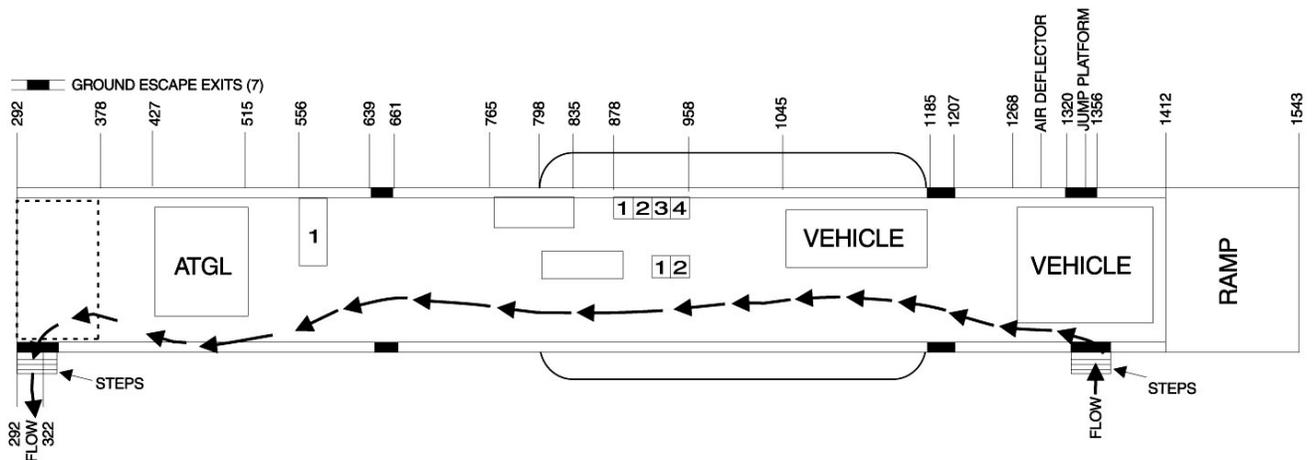
**NOTES:**

1. 44 seats are offered. Seat spacing 42 inches.
2. The dotted lines denote table centerline tiedown placement.
3. Troop door steps installed left side, rain curtain installed aft of coat rack, sound conditioning curtains installed.
4. Attach cannon plug for table between seats 1 and 2 to AC outlet at STA 633. Attach cannon plug for table between seats 3 and 4 to AC outlet and STA 857 (right side).
5. Attach cannon plug for table between seats 1 and 2 at AC outlet at STA 700. Attach cannon plug for table between seats 3 and 4 to AC outlet at STA 955 (left side).
6. Restraint rails and roller conveyors stowed except where needed. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
7. Time to configure, four personnel--six hours.
8. Ramp pallet is limited to 7500 pounds which includes the weight of the pallet/nets.

Table 3.29. SD-1 Configuration.

	Quantity	Weight	Station	Moment
<b>Reference 5, DD Form 365-4 (Stewards Equipment)</b>				
Water Container (Igloo)	1	50	300	1.5
Jug, Coffee	1	25	285	0.7
Kit, Passenger Service	1	10	275	0.3
Mattress, Foam, w/cover	2	20	360	0.7
Cup, Hot	1	3	275	0.1
ATGL	1	3620	371	134.3
Supplies, Expendable	N/A	10	371	0.4
<b>Ref 5 Totals</b>		<b>3738</b>		<b>138.0</b>
<b>Reference 6, DD Form 365-4 (Emergency Equipment)</b>				
Preserver, Life, MB-1 (Casualty)	2	8	360	0.3
Preserver, Life, Adult/Child (A/C)	160	240	Distributed	16.4
Preserver, Life, LPU-6/P (Infant cot)	7	28	360	1.0
Suit, Anti-Exposure, CWU-16/P	6	24	265	0.6
EPOS	150	300	Distributed	27.7
Kit, Demonstration, Pax	1	9	338	0.3
Raft, Life (20 Person)	6	1080	2@1420 1@1338 1@395 2@983	117.7
Kit, Clothing, Protective	1	36	371	1.3
<b>Ref 6 Totals</b>		<b>1725</b>		<b>165.3</b>
<b>Reference 7, DD Form 365-4 (Extra Equipment)</b>				
Seats, Center w/Stanchions	1	75	938	7.0
Seats, Aft-facing	1	94	560	5.3
Seats, Double	2	26	918	2.4
Air Evac Equip		268	815	21.8
Litters	8	112	815	9.1
Air Deflector	1	87	1310	11.3
Jump Platform	1	20	1338	2.7
Anchor Cables (Installed)	2	21	Distributed	2.1
Winches, Static Line Retriever	2	110	343	3.8
Strap, CGU-1B	50	200	Distributed	17.6
Chain, MB-1	40	280	408	11.4
Chain, MB-2	20	400	448	17.9
Device, MB-1	40	140	978	13.7
Device, MB-2	20	120	1025	12.3
DV Step	1	70	1338	9.4
Bumper, Head	1	9	310	0.3
Extra Engine Oil and Hydraulic Fluid	1 Case Ea	108	1440	15.6
Chocks(4) and Ground Wires (2)	N/A	40	300	1.2
<b>Ref 7 Totals</b>		<b>2180</b>		<b>164.9</b>

Figure 3.29. SD-1 Floor Plan.

**NOTES:**

1. This configuration is for static display only.
2. ATGL pallet installed in pallet position number two. ATGL pallet will be at station 371 for flight.
3. One set of airline (aft-facing) seat installed on right side only, starting FS 556.
4. One (4 tier) litter setup on right side (wall), starting FS 755.
5. One (4 tier) litter setup on centerline, starting FS 798.
6. Four sidewall seats installed on right side, starting FS 878.
7. Two sidewall seats installed on centerline right side, using centerline seat stanchions. Starting FS 898 for seats.
8. One vehicle floor loaded, right side, starting FS 1045.
9. One rigged vehicle(truck/trailer) on 12-foot modular platform, starting FS 1268.
10. Flow of visitors will be as indicated by flow arrows.
11. Rigged vehicle on 12-foot modular platforms is shown in the flight position. For static display the rigged vehicle will be aft of troop doors and on the ramp.
12. Jump platform and air deflector will be installed in position at right troop door.
13. Aft step for left troop door will be from the DV-1 or DV-2 configuration or suitable substitute installed at home station.
14. Anchor lines for equipment drop installed.
15. Restraint rails and roller conveyors in place for ATGL pallet. Hinged walkways will be stowed with hinged section hanging vertical to the floor.
16. Time to configure is four personnel--four hours.

## Chapter 4

### REFERENCE DATA

**4.1. Scope.** This chapter contains reference data to assist personnel in load planning.

**4.2. Airdrop.** Several factors must be considered during planning of airdrop platforms.

4.2.1. No overhang of load permitted on platform unless specified in the rigging TO/FM.

4.2.2. Weight and balance must be considered at all times. Prior to airdrop single/sequential platform(s), calculations will be made to determine the aircraft CG after each platform(s) has exited to ensure that CG flight limits are not exceeded.

4.2.3. Load height restriction for forward platform.

4.2.4. Platform extracted loads will always be positioned far enough forward to allow the extraction system (excluding extraction line and parachute) when elongated to remain forward of FS 1412. This will permit access from within the aircraft to cut the extraction line.

**NOTE:** When possible, maximum spacing between platforms is desired to allow for securing and inspection of the extraction line and extraction parachutes, during airdrop operations.

**4.3. Personnel Limitations Without Comfort Pallet.** The Personnel Limitation Chart (Table 4.4.) reflects the number of personnel (crews and passengers/troops) that the crew latrine, portable urinal, or portable lavatory or a combination of these provisions can accommodate and must be considered when determining number of passengers/troops that can be airlifted without comfort pallet. The portable urinal will not be used to increase Space-A passenger seat release.

**4.4. Miscellaneous Data.** The following tables, diagrams, and charts are provided to aid in configuration planning, weight and balance:

**Table 4.1.** Standard Crew/Pax/Patient/Troop Weights.

**Table 4.2.** Equipment Weight.

**Table 4.3.** Crew Distribution.

**Table 4.4.** Maximum Personnel Limitation

**Figure 4.1.** Troop Seat Arrangement.

**Figure 4.2.** Troop Seat Arrangement with ATGL.

**Figure 4.3.** Paratroop Seat Arrangement.

**Figure 4.4.** Paratroop Seat Arrangement with ATGL.

**Figure 4.5.** Passenger Seating and Pallet Arrangements.

**Table 4.1. Standard Crew/Pax/Patient/Troop Weights**

<b>Weight of Crew/Pax/Patient/Troops</b>	<b>Pounds</b>	<b>Weight of Tie-down Equipment</b>	<b>Pounds</b>
Crew	200 lb	Straps CGU-1/B	4 lb
Pax (without bags)	175 lb	MB-1 chains/CGU-4/E	7 lb
Pax Bags	70 lb	MB-1 devices/CGU-4/E	3.5 lb
Litter (includes everything except baggage)	195 lb	MB-2 chains/CGU-3/E	20 lb
Ambulatory (without bags)	175 lb	Net set (463L)	65 lb
<b>NOTE:</b> Standard weights for passengers are for loadmaster planning purposes only and are not to be considered in conflict with AMCI 24-101, Vol 14. Actual weights will be used if known.		One side net (463L) (HCU-7/E)	22 lb
		One top net (463L) (HCU-15/C)	21 lb
		Pallet (HCU-6/E)	290 lb
The following weights will be utilized for load planning purposes and weight and balance computations when actual weights are not provided.			
<b>Ground troop with web gear and weapon; or ground troop with carry on baggage:</b>			
Training		210 lb	
Combat		210 lb	
<b>Ground troop with web gear, weapon, and ruck sack; or ground troop with combat equipment/tools:</b>			
Training		250 lb	
Combat		300 lb	
<b>Ground troop with duffel bag, web gear, weapons, and ruck sack; or ground troop with duffel bag and combat equipment/tools:</b>			
Training		350 lb	
Combat		400 lb	
<b>Parachutist with web gear, weapon, and ruck sack:</b>			
Training		300 lb	
Combat		350 lb	
<b>Parachutist, Hollywood - NO weapon or equipment:</b>			
Training		220 lb	
<b>Ruck sack weights:</b>			
Training		40 lb	
Combat		80 lb	

**Table 4.2. Equipment Weight**

<b>EQUIPMENT</b>	<b>WEIGHT (LBS)</b>
Air Deflector Door (1)	87.5
Anti Exposure Suit	4
ATGL (Serviced)	3620
ATGL (Unserviced)	3200
Auxiliary Loading Ramps (2)	282
Blanket, large	3.5
Blanket, small	1
Buffer Stop Assembly	575
Bumper, Head (crew-entrance door)	9
Crew Rest Facility, (w/Fwd Support Beam)	350
Crew Rest Facility (w/o Fwd Support Beam)	100
DV Stairs	70
EPOS	2
FLIR	95
Harness, Personnel Restraint	8.3
Hot Cup	3
Jug, Coffee	25
Jump Platform (1)	20.5
Litter	14
A/C Life Preserver	1.5
LPU-2/P or 10/P Life Preserver	4
LPU-6/P Life Preserver (infant survival cot)	4
Life Raft (20 person)	180
MB-1 life Preserver (casualty)	4
MBU-5/P Oxygen Mask	0.5
Mattress, Foam	10
Oxygen Bottle, Portable	6
Oxygen Mask, Troop	2
Oxygen Converter (1)	262
Parachute (back)	28
Paratroop Retriever Bar (1)	6
Passenger Service Kit	10
Pillow, large	2
Pillow, small	0.5

<b>EQUIPMENT</b>	<b>WEIGHT (LBS)</b>
Portable Urinal	40
Portable Urinal, C-135	9
Portable Lavatory Assembly	400
Pallet w/nets (HCU-6/E; HCU-7/E; HCU-15/C)	355
Protective Clothing Kit	36
Radio, Emergency	6
Ramp End Cover	22
Seat, aft-facing	94
Seat, side-facing (1 person)	7
Seat, side-facing (2 person)	13
Seat, center w/stanchion/oxygen mask (2 person)	30.4
Seat, center w/stanchion/oxygen mask (1 person)	15.2
Skid Blocks (2)	32
Smoke Mask	1
Stanchion, large	25
Stanchion, small	12.5
Table, DV	40
Water, Container (Igloo) 2 gal	25
Water, Container (Igloo) 5 gal	50
Winch, Cargo Electric (HCU-9/A)	290
Winch, Static Line Retriever	55

Table 4.3. Crew Distribution.

CREW DISTRIBUTION (200 LBS EA)			CREW BAGGAGE (50 LBS EA)		"C" Comp	"D" Comp	"E" Comp	Ramp
# and comp	WT	MOM	#	WT	MOM	MOM	MOM	MOM
<b>4B</b>	800	16	<b>5</b>	250	8	9	11	37
<b>5B</b>	1000	20	<b>6</b>	300	9	11	13	44
<b>6B</b>	1200	24	<b>7</b>	350	11	13	15	52
<b>7B</b>	1400	30	<b>8</b>	400	12	14	17	59
<b>8B</b>	1600	35	<b>9</b>	450	14	16	19	66
<b>9B</b>	1800	41	<b>10</b>	500	15	18	21	74
<b>1C</b>	200	6	<b>11</b>	550	17	20	24	81
<b>1D</b>	200	7	<b>12</b>	600	18	22	26	88
<b>1E</b>	200	9	<b>13</b>	650	20	23	28	96
<b>1Q</b>	200	26	<b>14</b>	700	22	25	30	103
<b>1R</b>	200	28	<b>15</b>	750	23	27	32	110
<b>2D</b>	400	14						
<b>2E</b>	400	17						
<b>2F</b>	400	20						

**Table 4.4. Maximum Personnel Limitation.**

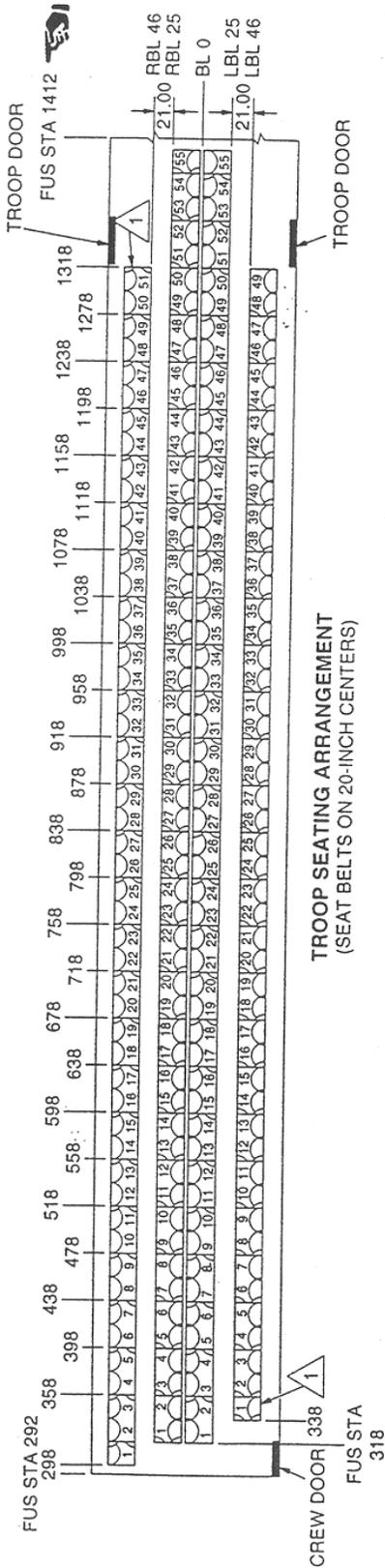
**NOTE:** This table represents the maximum personnel limitations using crew latrine, portable urinals, and portable lavatory. The values reflect the number of personnel (crew and passengers/troops) that may be onboard (latrine limitations). Aircrew will consider the values to determine total number of passengers/troops without an ATGL (see Paragraph 3.2.10.)

FLYING HOURS BETWEEN LATRINE SERVIC- ING	TOTAL PERSONNEL			PORTABLE LAVATORY OR KC-135 URINAL
	CREW LATRINE	PORTABLE URI- NAL	CREW LATRINE PLUS URINAL	
10.0	31	99	130	31
9.5	31	99	130	31
9.0	31	99	130	31
8.5	32	102	134	32
8.0	34	109	143	36
7.5	36	115	151	39
7.0	38	122	160	41
6.5	41	131	172	44
6.0	44	141	185	47
5.5	48	154	202	50
5.0	50	160	210	51
4.5	56	179	235	64
4.0	64	205	269	80
3.5	80			103
3.0	103			135
2.5	135			195
2.0	195			200
1.5	200			200
1.0	200			200

**NOTES:**

1. The aircraft lavatory and urinals must be serviced at the station requiring airlift of maximum figures.
2. Consider cumulative flying time from last stop with servicing equipment, to the next one with servicing equipment, when determining seat release.
3. Crew members must be subtracted from the figures given to arrive at maximum passenger load.
4. Small children up to 7 years old should not be considered when computing maximum load figures.
5. Passengers will be advised of latrine limits and prepare for minimum use inflight.
6. If the toilet leaks, maintenance facilities will be notified to repair the toilet before passengers are airlifted. If maintenance is not available or toilet cannot be repaired, no passengers will be airlifted.
7. Maximum limits established by this table will not be exceeded or waived.
8. A portable urinal will not be added to increase Space-A passenger seat release.

Figure 4.1. Troop Seating Arrangement



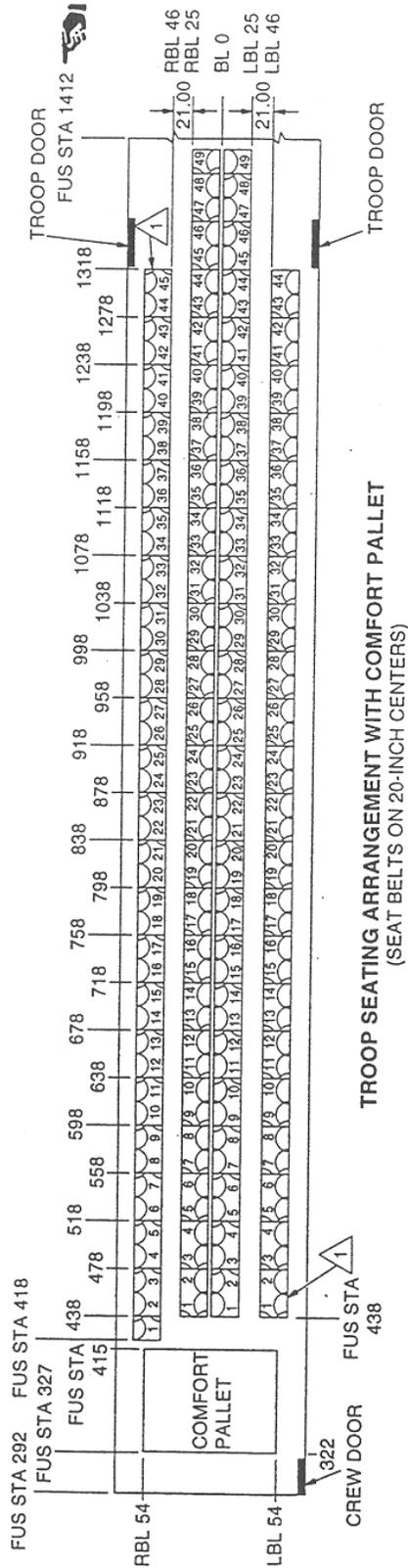
**NOTE**

- 1. LOAD MASTER'S SEAT
- 2. SINGLE SEAT
- 3. DOUBLE SEAT
- 4. SEAT BELTS

5. KIT QUANTITIES COULD BE INCREASED BY USING FROM ADDITIONAL KITS SUCH THAT SEATING ARRANGEMENTS AS SHOWN COULD BE ACCOMPLISHED.

6. ALL DIMENSIONS IN INCHES.

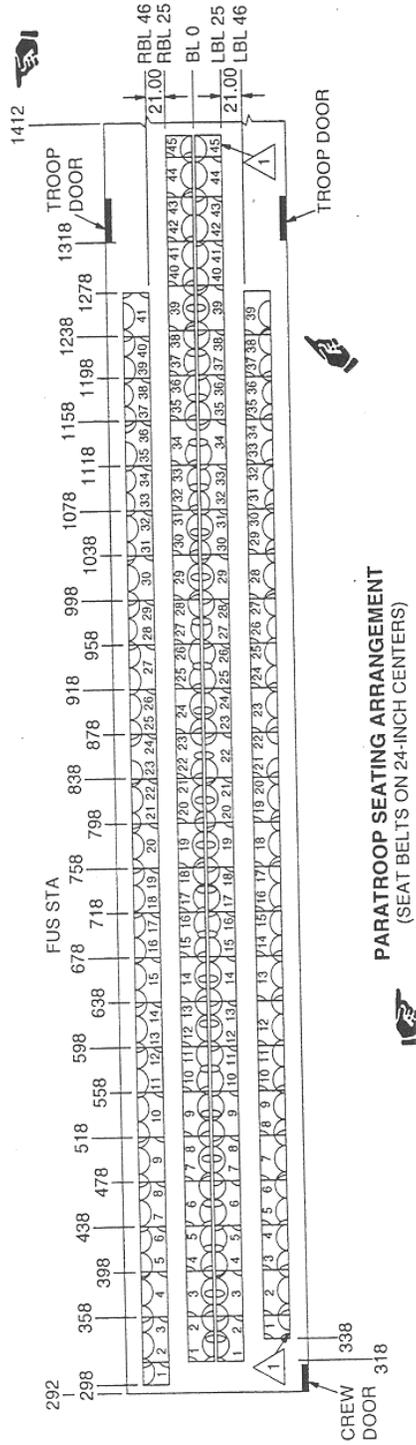
Figure 4.2. Troop Seating Arrangement with ATGL.



**NOTE**

- 1. LOAD MASTER'S SEAT
- 2. SINGLE SEAT
- 3. DOUBLE SEAT
- 4. UU SEAT BELTS
- 5. KIT QUANTITIES COULD BE INCREASED BY USING FROM ADDITIONAL KITS SUCH THAT SEATING ARRANGEMENTS AS SHOWN COULD BE ACCOMPLISHED.
- 6. ALL DIMENSIONS IN INCHES.

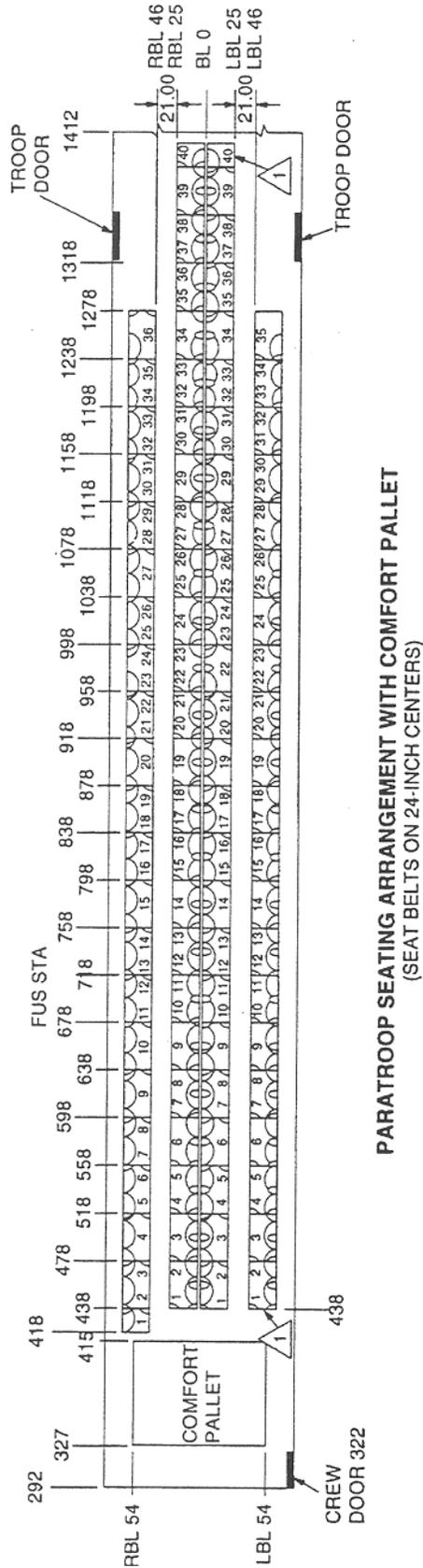
Figure 4.3. Paratroop Seating Arrangement.



**NOTE**

1. LOAD MASTER'S SEAT
2. SINGLE SEAT
3. DOUBLE SEAT
4. SEAT BELTS
5. KIT QUANTITIES COULD BE INCREASED BY USING FROM ADDITIONAL KITS SUCH THAT SEATING ARRANGEMENTS AS SHOWN COULD BE ACCOMPLISHED.
6. ALL DIMENSIONS IN INCHES.

Figure 4.4. Paratroop Seating Arrangement with ATGL.



**NOTE**

- 1. LOAD MASTER'S SEAT
- 2. SINGLE SEAT
- 3. DOUBLE SEAT
- 4. SEAT BELTS
- 5. KIT QUANTITIES COULD BE INCREASED BY USING FROM ADDITIONAL KITS SUCH THAT SEATING ARRANGEMENTS AS SHOWN COULD BE ACCOMPLISHED.
- 6. ALL DIMENSIONS IN INCHES.



## Chapter 5

### DD FORM 365-4 INSTRUCTIONS C-141 SERIES AIRCRAFT

**5.1. Introduction.** This chapter provides instructions for computation and completion of DD Form 365-4, **Weight and Balance Clearance Form** (Form F). The Form F will be computed by using simplified moments. All entries and signatures must be legible.

**5.2. Load Planning.** The cargo load must be planned so that the center of gravity of the loaded aircraft will be within the specified forward and aft limits for any given operating condition. Consideration must also be given to offload sequence, aircraft limitations, and emergency jettisoning. Math charts contained in T.O. 1C-141B-5 and T.O. 1C-141B-1 are tools which may be used for load planning. When the fuel load is unknown, load plan for a  $960 \pm 25$  cargo load center of balance.

**5.3. General Instructions.** These instructions apply to Forms F using simplified moments. Entries on the form may be either typed, handwritten, or computer generated.

5.3.1. DD Form 365-4 Heading: Enter date, mission number, aircraft type, serial number, departure/destination station (name or ICAO identifier), home station of aircraft, and pilot's rank and last name.

5.3.2. Limitations. Enter the appropriate weight and CG limits for the planned mission using the following criteria: The maximum gross weight, zero fuel weight and center of gravity limits specified in T.O. 1C-141B-1 will not be exceeded. The gross weight will never exceed that which would require a critical field length in excess of the runway available. Gross weights may also be limited by operating conditions; i.e., obstacle clearance, rate of climb, weather conditions, altitude, runway/taxiway bearing capacity, or any other published restrictions. The allowable load weight (total weight) of reference 13 will not exceed the smallest figure (allowable load) in the limitations block.

5.3.2.1. Takeoff: For fuel weights less than 97,375 pounds, use 314,200. For fuel weight of 97,375 pounds and above, use zero fuel weight graph contained in T.O. 1C-141B-5.

5.3.2.2. Landing: Use data contained in T.O. 1C-141B-1. (Landing weight may be exceeded IAW T.O. 1C-141B-1).

5.3.2.3. Fuel (zero fuel or limiting wing fuel): For fuel weights less than 97,375 pounds, use 218,725. For fuel weight of 97,375 pounds and above use zero fuel weight graph contained in T.O. 1C-141B-5.

5.3.2.4. Permissible CG Takeoff: Use center of gravity limits diagram (ground limits) contained in T.O. 1C-141B-5

5.3.2.5. Permissible CG Landing: Use center of gravity limits diagram (ground limits) contained in T.O. 1C-141B-5.

5.3.2.6. Permissible CG Zero Fuel Weight: Use zero fuel envelope diagram contained in T.O. 1C-141B-5.

**5.4. Reference 1:** Enter basic weight and moment from certified copy of the DD Form 365-3 in the aircraft weight and balance handbook.

**5.5. Reference 2:** Leave Blank

**5.6. Reference 3:** Enter crew number and location. Use **Table 4.3**.

**5.7. Reference 4:** Enter crew baggage by weight and location. Use **Table 4.3**.

**5.8. References 5, 6, and 7:** (See Chapter 3).

**5.9. Reference 8:** Leave blank.

**5.10. Reference 9:** Total of references 1 through 8.

**5.11. Reference 10:** Enter takeoff fuel. Ramp fuel minus 1,900 pounds of fuel for taxi runup and takeoff roll equals takeoff fuel. (Use 9 moments for each 100 pounds of fuel).

**5.12. Reference 11:** Leave blank.

**5.13. Reference 12:** Total of references 9 and 10.

**5.14. Reference 13:** (Distribution of allowable load).

5.14.1. Enter 463L cargo pallets, pallet trains, vehicles, rolling stock, floor loaded cargo, etc., by center of balance fuselage station and weight. Each item will be listed separately. Items loaded side-by-side may be combined.

5.14.2. Enter passengers/paratroops/litters using either a combined centroid or individual location centroid and weight. Use separate centroids for a mixed configuration of seats; i.e., one for aft facing and another for side facing seats.

5.14.3. Enter airdrop platforms by individual centroid location and weight. CDS containers may be entered using the combined centroid method.

5.14.4. When changes are necessary complete the corrections column and references 18, 19, and 20 as shown in sample DD Form 365-4. Compare the results to the appropriate limitations, i.e., allowable load, takeoff CG, and ZF CG. Changing the ZF and limitations columns or landing weight and CG is not required.

**5.15. Reference 14: Zero Fuel Weight, Zero Fuel Weight Moment, and Zero Fuel Percent of MAC Block:** Enter calculations. The zero fuel percent of MAC will remain within the zero fuel envelope.

5.15.1. It is possible during platform extractions on an airdrop mission for the zero fuel percent of MAC to fall outside the zero fuel envelope, but remain within flight center of gravity.

5.15.2. When no cargo and/or passengers are carried, the zero fuel center-of-gravity is not required to be within the zero fuel envelope. However, the takeoff and landing center-of-gravity is required to be within limits.

**5.16. Reference 15:** Subtotals; enter totals from reference 13.

**5.17. Reference 16:** Total of references 12 and 15.

- 5.18. Reference 17:** Enter the takeoff CG in percent of MAC.
- 5.19. Reference 18:** Enter corrections (when applicable).
- 5.20. Reference 19:** Total of references 16 and 18.
- 5.21. Reference 20:** Enter corrected takeoff CG in percent of MAC.
- 5.22. Reference 21:** Enter zero fuel weight and moment. (Obtained from upper right corner of reference 13).
- 5.23. Reference 22:** Self-explanatory.
- 5.24. Reference 23:** Enter estimated landing fuel weight and moment. (Obtained by subtracting burnoff fuel from takeoff fuel).
- 5.25. Reference 24:** Total of references 21 and 23.
- NOTE:** If an entry was made in Reference 22, ensure these figures are subtracted from reference 21 to obtain a correct zero fuel weight and moment for adding to reference 23.
- 5.26. Reference 25:** Enter the landing CG in percent of MAC.
- 5.27. Remarks Block:** Enter any modifications to the basic configuration; i.e., reference 7 includes four triple seats.
- 5.28. Load Adjuster Number Block:** Leave blank.
- 5.29. Signature Blocks:** Entries must be legible.

Figure 5.1. DD 365-4, Weight and Balance Form.

WEIGHT AND BALANCE CLEARANCE FORM F - TRANSPORT										FOR USE WITH T.O. 1-18-40, NAVJOP 01-16-40, AND TM-55-1509-543-23		Form Approved OMB No. 0704-0182							
<i>(Use reverse for tactical missions)</i>																			
Public reporting burden for this collection of information is estimated to average 18 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0182), Washington, DC 20503.																			
DATE (YYMMDD) 99 08 12		AIRCRAFT TYPE C-141B		FROM McChord AFB			HOME STATION McChord AFB												
MISSION PBP 1242		SERIAL NO. 66-0019		TO Nellis AFB			PILOT Maj Pilot												
REMARKS  Ref # 7 + Aft Facing Seats 376/13.7 + Static Line Retriever Winches 110/3.8  NOTE: See Attachment 1, Item 26				REF		ITEM		WEIGHT		INDEX OR MCM		10,000							
				1		BASIC AIRCRAFT (From Chart C)		144996		13526									
				2															
				3		CREW (Ref. 6 (4B-2E))		1200		33									
				4		CREW'S BAGGAGE D		300		11									
				5		STEWARDS EQUIPMENT C-1 Mod		233		8									
				6		EMERGENCY EQUIPMENT IAW		1725		165									
				7		EXTRA EQUIPMENT Vol 3, AA		2425		163									
				8															
				9		OPERATING WEIGHT		150879		13906									
				10		TAKEOFF FUEL (Ref. 1)		88100		8449									
				11		WATER IN J													
				12		TOTAL AIRCRAFT WEIGHT		238979		22355									
LOAD ADJUSTER NUMBER N/A				CORRECTION/MOST FWD/MOST AFT				13 DISTRIBUTION OF ALLOWABLE LOAD (MAY 2000)				14 ZERO FUEL WT 191679							
COMPT OR ARM		CHANGES (+ or -)		PASSENGERS		COMPT OR ARM		CARGO		CARGO		COMPT OR ARM		ZERO FUEL WT 17756		INDEX OR MCM		ZERO FUEL % 25.4%	
498		PAX -700		11 @175		368								1925		71			
1462		BAG -264																	
		+ Fuel 17000		+1621						Plt 651				6840		445			
										Plt 741				5175		383			
										Plt 831				4200		349			
										Plt 921				3160		291			
								Rolling Stock 1090				12680		1382					
								Plt 1281				2400		307					
								Plt 1371				2860		392					
								Bags 1472				1560		230					
TOTAL WEIGHT REMOVED		964		74															
TOTAL WEIGHT ADDED		17000		1621															
NET DIFFERENCE		+16036		1547						Total		40800		3850					
LIMITATIONS										15									
CONDITION		TAKEOFF		LANDING		F FUEL													
ALLOWABLE GROSS WEIGHT		314200		257500		218725		16		TAKEOFF CONDITION (Unrestricted)		279779		26205					
TOTAL AIRCRAFT WT. (Ref. 12)		238979						17		TAKEOFF C.G. IN % M.A.C.				29.3%					
(Ref. 9) - (Ref. 23)				170879				18		CORRECTIONS (if required)		+		16036		1547			
OPERATING WT. (Ref. 6)						150879		19		TAKEOFF CONDITION (Unrestricted)		295815		27752					
ALLOWABLE LOAD (Ref. 13) (Use smallest figure)		75221		86621		67846		20		TAKEOFF C.G. IN % M.A.C.				29.9%					
1. Zero Fuel or Limiting Wing Fuel										21									
PERMISSIBLE C.G. TAKEOFF		FORWARD 29.1%		AFT 33.4%				22		ZERO FUEL WT (Ref. 5a)		191679		17756					
PERMISSIBLE C.G. LANDING		FORWARD 15.6%		AFT 33.4%				23		LESS AIR DROP LOAD									
PERMISSIBLE C.G. ZERO FUEL WT.		FORWARD 14.8%		AFT 30.5%				24		ESTIMATED LANDING FUEL		20000		1967					
COMPUTED BY SIGNATURE Signature/Rank/Organization										25									
WEIGHT AND BALANCE AUTHORITY SIGNATURE N/A								23		ESTIMATED LANDING CONDITION		211679		19723					
PILOT SIGNATURE Signature								24		ESTIMATED LANDING C.G. IN % M.A.C.				27.4%					

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DCS, Air and Space Operations