

- 2.0 AIRPLANE DESCRIPTION
 - 2.1 General Characteristics
 - 2.2 General Dimensions
 - 2.3 Ground Clearances
 - 2.4 Interior Arrangements
 - 2.5 Cabin Cross Sections
 - 2.6 Lower Cargo Compartments
 - 2.7 Door Clearances

2.0 AIRPLANE DESCRIPTION

2.1 General Characteristics

Maximum Design Taxi Weight (MTW). Maximum weight for ground maneuver as limited by aircraft strength and airworthiness requirements. (It includes weight of taxi and runup fuel.)

Maximum Design Landing Weight (MLW). Maximum weight for landing as limited by aircraft strength and airworthiness requirements.

Maximum Design Takeoff Weight (MTOW). Maximum weight for takeoff as limited by aircraft strength and airworthiness requirements. (This is the maximum weight at start of the takeoff run.)

Operating Empty Weight (OEW). Weight of structure, powerplant, furnishing systems, unusable fuel and other unusable propulsion agents, and other items of equipment that are considered an integral part of a particular airplane configuration. Also included are certain standard items, personnel, equipment, and supplies necessary for full operations, excluding usable fuel and payload.

Maximum Design Zero Fuel Weight (MZFW). Maximum weight allowed before usable fuel and other specified usable agents must be loaded in defined sections of the aircraft as limited by strength and airworthiness requirements.

Maximum Payload. Maximum design zero fuel weight minus operational empty weight.

Maximum Seating Capacity. The maximum number of passengers specifically certified or anticipated for certification.

Maximum Cargo Volume. The maximum space available for cargo.

Usable Fuel. Fuel available for aircraft propulsion.

CHARACTERISTIC		ENGINE UNITS ①	747-100/100B		747-100SF	747-100B SR	
			JT9D-3A -3AW	RB211- 524C2	JT9D-7A -7AW -7AH	CF6-45A2	JT9D-7A
MAXIMUM RAMP WEIGHT		POUNDS	713,000	753,000	738,000	574,000	603,000
		KILOGRAMS	323,400	341,500	334,700	260,320	273,500
MAXIMUM LANDING WEIGHT		POUNDS	564,000	585,000	564,000 ②	564,000	564,000
		KILOGRAMS	255,800	265,300	255,800 ②	255,800	255,800
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT		POUNDS	710,000	750,000	735,000	571,000	600,000
		KILOGRAMS	322,100	340,100	333,300	258,960	272,100
OPERATING EMPTY WEIGHT (TYPICAL— VARIES WITH ENGINE/WEIGHT OPTION)		POUNDS	358,000	378,910	381,480	362,750	359,180
		KILOGRAMS	162,500	171,840	173,010	164,510	162,890
ZERO FUEL WEIGHT		POUNDS	526,500	545,000	526,500	475,000	485,000
		KILOGRAMS	238,780	247,170	238,780	215,420	219,950
MAXIMUM STRUCTURAL PAYLOAD		POUNDS	188,500	166,090	145,020	112,240	125,820
		KILOGRAMS	76,280	75,330	65,770	50,910	57,060
MAXIMUM SEATING CAPACITY (INCLUDES 32 SEATS ON OPTION- AL UPPER DECK)			452	452	—	—	—
MAXIMUM LOWER-LOBE & MAIN DECK CONTAINERIZED CARGO VOLUME			480	480	—	550 ③	550 ③
MAXIMUM LOWER-LOBE BULK CARGO VOLUME		CUBIC FEET	5,250	5,250	23,520 ④	5,250	5,250
		CUBIC METERS	150	150	666 ④	150	150
		CUBIC FEET	1,000	1,000	1,000	1,000	1,000
		CUBIC METERS	28	28	28	28	28
USABLE FUEL CAPACITY		U.S. GALLONS	47,210	48,070	48,445	48,445	48,445
		LITERS	178,700	181,950	183,360	183,360	183,360
		POUNDS	316,300	322,070	324,580	324,580	324,580
		KILOGRAMS	143,475	146,085	147,215	147,215	147,215
ENGINE INJECTION WATER CAPACITY		U.S. GALLONS	400 ⑤	—	700 ⑥	—	—
		LITERS	1,510 ⑤	—	2,650 ⑥	—	—

2.1.1 GENERAL CHARACTERISTICS
MODEL 747-100

- ① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS.
- ② OPTIONAL LANDING WEIGHT OF 585,000 LB (265,300 KG) IS AVAILABLE.
- ③ 37 SEATS ON UPPER DECK.
- ④ INCLUDES 29 MAIN DECK CONTAINERS 96 BY 125 BY 96 IN. (2.44 BY 3.18 BY 2.44M).
- ⑤ JT9D-3AW ENGINES.
- ⑥ JT9D-7AW ENGINES.

BASIC ALL-PASSENGER CONFIGURATION

CHARACTERISTIC	ENGINE ①		JT9D-7AW	JT9D-7J	CF6-50E2	RB211-524D4	JT9D-7R4G2
	UNITS						
MAXIMUM RAMP WEIGHT	POUNDS		778,000	788,000	803,000	823,000	836,000
	KILOGRAMS		352,800	357,400	364,200	373,200	379,100
MAXIMUM LANDING WEIGHT ②	POUNDS		564,000	564,000	585,000	630,000	630,000
	KILOGRAMS		255,800	255,800	265,300	285,700	285,700
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT	POUNDS		775,000	785,000	800,000	823,000	833,000
	KILOGRAMS		351,500	356,000	362,800	371,900	377,800
OPERATING EMPTY WEIGHT (TYPICAL— VARIES WITH ENGINE/WEIGHT OPTION)	POUNDS		381,150	380,510	381,810	388,010	376,170
	KILOGRAMS		172,860	172,570	173,160	175,970	170,600
ZERO FUEL WEIGHT	POUNDS		526,500	526,500	526,500	526,500	526,500
	KILOGRAMS		238,780	238,780	238,780	238,780	238,780
MAXIMUM STRUCTURAL PAYLOAD	POUNDS		145,350	145,990	144,690	138,490	150,330
	KILOGRAMS		65,920	66,210	65,620	62,810	68,180
MAXIMUM SEATING CAPACITY (INCLUDES 32 SEATS ON OPTION- AL UPPER DECK)	BASIC MIXED ARRANGEMENT (INCLUDES 32 FIRST-CLASS SEATS)		452	452	452	452	452
	ALTERNATE ARRANGEMENT ALL-ECONOMY (10 ABREAST)		480	480	480	480	480
MAXIMUM LOWER-LOBE & MAIN DECK CONTAINERIZED CARGO VOLUME	CUBIC FEET		5,250	5,250	5,250	5,250	5,250
	CUBIC METERS		150	150	150	150	150
MAXIMUM LOWER-LOBE BULK CARGO VOLUME	CUBIC FEET		1,000	1,000	1,000	1,000	1,000
	CUBIC METERS		28	28	28	28	28
USABLE FUEL CAPACITY ③	U.S. GALLONS		52,410	52,410	52,035	52,410	52,410
	LITERS		198,370	198,370	196,950	198,370	198,370
	POUNDS		351,150	351,150	348,635	351,150	351,150
	KILOGRAMS		159,250	159,250	158,110	159,250	159,250

- ① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN.
SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
- ② 585,000 LB (265,300 KG) AND 630,000 LB (285,700 KG) ARE
OPTIONAL LANDING WEIGHTS.
- ③ EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS
AVAILABLE WITH OEI INCREASE OF 160 LB (73 KG).

2.1.2 GENERAL CHARACTERISTICS

MODEL 747-200B

2.1.3 GENERAL CHARACTERISTICS
MODEL 747-200B COMBI

		747-200B COMBI				
CHARACTERISTIC	ENGINE UNITS ①	ALL-PASSENGER		6-PALLET	7-PALLET	12-PALLET
		JT9D-7F	JT9D-7AW, -7J	CF6-50E2	RB211-524D4	JT9D-7R4G2
MAXIMUM RAMP WEIGHT	POUNDS	778,000	788,000	803,000	823,000	836,000
	KILOGRAMS	352,800	357,400	364,200	373,200	379,100
MAXIMUM LANDING WEIGHT	POUNDS	585,000 ②	630,000	630,000	630,000	630,000
	KILOGRAMS	265,300 ②	285,700	285,700	285,700	285,700
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT	POUNDS	775,000	785,000	800,000	820,000	833,000
	KILOGRAMS	351,500	356,000	362,800	371,900	377,800
OPERATING EMPTY WEIGHT (TYPICAL— VARIES WITH ENGINE/WEIGHT OPTION)	POUNDS	387,080	387,580	385,910	391,600	376,120
	KILOGRAMS	175,550	175,770	175,020	177,600	170,580
ZERO FUEL WEIGHT	POUNDS	545,000	545,000	545,000	545,000	545,000
	KILOGRAMS	247,170	247,170	247,170	247,170	247,170
MAXIMUM STRUCTURAL PAYLOAD	POUNDS	157,920	157,420	159,090	153,400	158,880
	KILOGRAMS	71,620	71,400	72,150	69,570	72,050
MAXIMUM SEATING CAPACITY (INCLUDES 32 SEATS ON OPTION- AL UPPER DECK)	BASIC MIXED ARRANGEMENT (INCLUDES 32 FIRST-CLASS SEATS)	452	452	316	316	238
	ALTERNATE ARRANGEMENT ALL-ECONOMY (10 ABREAST)	480	480	344	344	266
MAXIMUM LOWER-LOBE & MAIN DECK CONTAINERIZED CARGO VOLUME	CUBIC FEET	5,250	5,250	9,030 ③	9,660 ④	12,810 ⑤
	CUBIC METERS	150	150	260 ③	270 ④	360 ⑤
MAXIMUM LOWER-LOBE BULK CARGO VOLUME	CUBIC FEET	1,000	1,000	1,000	1,000	1,000
	CUBIC METERS	28	28	28	28	28
USABLE FUEL CAPACITY ⑥	U.S. GALLONS	52,410	52,410	52,035	52,410	52,410
	LITERS	198,370	198,370	196,950	198,370	198,370
	POUNDS	351,150	351,150	348,635	351,150	351,150
	KILOGRAMS	159,250	159,250	158,110	159,250	159,250

① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
 ② OPTIONAL LANDING WEIGHT OF 630,000 LB (285,700 KG) IS AVAILABLE.
 ③ INCLUDES SIX 96 BY 125 BY 96 IN. (2.44 BY 3.18 BY 2.44 M) PALLETIZED CARGO MODULES.
 ④ INCLUDES SEVEN 96 BY 125 BY 96 IN. PALLETIZED CARGO MODULES.
 ⑤ INCLUDES TWELVE 96 BY 125 BY 96 IN. PALLETIZED CARGO MODULES.
 ⑥ EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS AVAILABLE WITH OEI INCREASE OF 160 LB (73 KG).

CHARACTERISTIC	ENGINE UNITS	ALL PASSENGER		ALL CARGO	
		JT9D-7AW	JT9D-7FW	CF6-50E2	JT9D-7Q
MAXIMUM RAMP WEIGHT	POUNDS	778,000	803,000	788,000	823,000
	KILOGRAMS	352,800	364,200	357,400	373,200
MAXIMUM LANDING WEIGHT	POUNDS	630,000	630,000	630,000	630,000
	KILOGRAMS	285,700	285,700	285,700	285,700
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT	POUNDS	775,000	800,000	785,000	820,000
	KILOGRAMS	351,500	362,800	356,000	371,900
OPERATING EMPTY WEIGHT (TYPICAL- VARIES WITH ENGINE/WEIGHT OPTION)	POUNDS	390,730	390,740	361,680	367,620
	KILOGRAMS	177,200	177,210	164,030	166,720
ZERO FUEL WEIGHT	POUNDS	590,000	590,000	590,000	590,000
	KILOGRAMS	267,570	267,570	267,570	267,570
MAXIMUM STRUCTURAL PAYLOAD	POUNDS	199,270	199,260	228,320	222,380
	KILOGRAMS	90,370	90,360	130,340	100,850
MAXIMUM SEATING CAPACITY (INCLUDES 32 SEATS ON OPTION- AL UPPER DECK)	BASIC MIXED ARRANGEMENT (INCLUDES 32 FIRST-CLASS SEATS)	452	452	—	—
	ALL-ECONOMY (9 ABREAST)	432	432	—	—
MAXIMUM LOWER-LOBE & MAIN DECK CONTAINERIZED CARGO VOLUME	ALL-ECONOMY (10 ABREAST)	480	480	—	—
	CUBIC FEET	5,250	5,250	23,520 (4)	23,520 (4)
MAXIMUM LOWER-LOBE BULK CARGO VOLUME	CUBIC METERS	150	150	666 (4)	666 (4)
	CUBIC FEET	800	800	800	800
USABLE FUEL CAPACITY	CUBIC METERS	23	23	23	23
	U.S. GALLONS	52,410	52,410	52,410	52,035
ENGINE INJECTION WATER CAPACITY	LITERS	198,370	198,370	198,370	196,950
	POUNDS	351,150	351,150	351,150	348,635
ENGINE INJECTION WATER CAPACITY	KILOGRAMS	159,250	159,250	159,250	158,110
	U.S. GALLONS	700	—	700	—
ENGINE INJECTION WATER CAPACITY	LITERS	2,650	—	2,650	—

① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
 ② IF SIDE CARGO DOOR IS INSTALLED, ADD 5,800 LB (2,630 KG) TO ALL-PASSENGER CONFIGURATION OR 7,830 LB (3,550 KG) TO ALL-CARGO CONFIGURATION.
 ③ IF SIDE CARGO DOOR IS INSTALLED, DEDUCT 5,800 LB (2,630 KG) FROM ALL-PASSENGER CONFIGURATION OR 7,830 LB (3,550 KG) FROM ALL-CARGO CONFIGURATION.
 ④ INCLUDES 29 MAIN-DECK CONTAINERS 96 BY 125 BY 96 IN. (2.44 BY 3.18 BY 2.44 M). ADDITIONAL VOLUME WITH SIDE CARGO DOOR.
 ⑤ EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS AVAILABLE WITH OEI INCREASE OF 160 LB (73 KG).

2.1.4 GENERAL CHARACTERISTICS
 MODEL 747-200C

2.1.5 GENERAL CHARACTERISTICS
MODEL 747-200F

747-200F							
ALL-CARGO							
CHARACTERISTIC	ENGINE	UNITS	JT9D-7AW	JT9D-7FW	RB211-524D4	CF6-50E2	JT9D-7Q
	①						
MAXIMUM RAMP WEIGHT	POUNDS		778,000	788,000	803,000	823,000	836,000
	KILOGRAMS		352,800	357,400	364,200	373,200	379,100
MAXIMUM LANDING WEIGHT	POUNDS		630,000	630,000	630,000	630,000	630,000
	KILOGRAMS		285,700	285,700	285,700	285,700	285,700
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT	POUNDS		775,000	785,000	800,000	823,000	833,000
	KILOGRAMS		351,500	356,000	362,800	371,900	377,800
OPERATING EMPTY WEIGHT (TYPICAL—VARIES WITH ENGINE/WEIGHT OPTION) ②	POUNDS		342,180	342,180	351,930	348,120	345,330
	KILOGRAMS		155,180	155,180	159,600	157,880	156,610
ZERO FUEL WEIGHT	POUNDS		590,000	590,000	590,000	590,000	590,000
	KILOGRAMS		267,570	267,570	267,570	267,570	267,570
MAXIMUM STRUCTURAL PAYLOAD ③	POUNDS		247,820	247,820	238,070	241,880	244,670
	KILOGRAMS		112,390	112,390	107,970	109,690	110,960
MAXIMUM MAIN-DECK CARGO VOLUME-PALLETIZED CARGO ④	CUBIC FEET		18,270	18,270	18,270	18,270	18,270
	CUBIC METERS		522	522	522	522	522
MAXIMUM LOWER-LOBE CONTAINERIZED CARGO VOLUME	CUBIC FEET		5,250	5,250	5,250	5,250	5,250
	CUBIC METERS		150	150	150	150	150
MAXIMUM LOWER-LOBE BULK CARGO VOLUME	CUBIC FEET		800	800	800	800	800
	CUBIC METERS		23	23	23	23	23
USABLE FUEL CAPACITY ⑤	U.S. GALLONS		52,410	52,410	52,410	52,035	52,410
	LITERS		198,370	198,370	198,370	196,950	198,370
	POUNDS		351,150	351,150	351,150	348,635	351,150
	KILOGRAMS		159,250	159,250	159,250	158,110	159,250
ENGINE INJECTION WATER CAPACITY	U.S. GALLONS		700	700	—	—	—
	LITERS		2,650	2,650	—	—	—

① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN.
 SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
 ② FOR SIDE CARGO DOOR, ADD 7,960 LB (3,610 KG).
 ③ FOR SIDE CARGO DOOR, DEDUCT 7,960 LB (3,610 KG).

④ ADDITIONAL VOLUME WITH SIDE CARGO DOOR.
 ⑤ EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS AVAILABLE WITH OEW INCREASE OF 160 LB (73 KG).

CHARACTERISTIC		ENGINE ①		747-300			747-300SR	
		UNITS	RB211-524B2	CF6-50E2	JT9D-7A	CF6-50E2	JT9D-7A	
MAXIMUM RAMP WEIGHT		POUNDS	713,000	738,000	753,000	523,000	603,000	
		KILOGRAMS	323,400	334,700	341,500	237,200	273,500	
MAXIMUM LANDING WEIGHT		POUNDS	564,000 ②	564,000 ②	564,000 ②	515,000	535,000	
		KILOGRAMS	255,800 ②	255,800 ②	255,800 ②	233,560	242,630	
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT		POUNDS	710,000	735,000	750,000	520,000	600,000	
		KILOGRAMS	322,100	333,300	340,100	235,800	272,100	
OPERATING EMPTY WEIGHT (TYPICAL—VARIES WITH ENGINE/WEIGHT OPTION)		POUNDS	390,300	384,240	381,530	366,700	363,030	
		KILOGRAMS	177,010	174,260	173,030	166,300	164,640	
ZERO FUEL WEIGHT		POUNDS	536,500	526,500	526,500	485,000	495,000	
		KILOGRAMS	243,310	238,780	238,780	219,950	244,490	
MAXIMUM STRUCTURAL PAYLOAD		POUNDS	146,200	142,260	144,970	118,300	131,970	
		KILOGRAMS	66,300	64,520	65,750	53,650	59,850	
MAXIMUM SEATING CAPACITY (INCLUDES 69 SEATS ON OPTIONAL UPPER DECK)		BASIC MIXED ARRANGEMENT (INCLUDES 30 FIRST-CLASS SEATS) ③		565	565	565	—	
		ALTERNATE ARRANGEMENT ALL-ECONOMY (10 ABREAST) ③		608	608	608	624 ④	
MAXIMUM LOWER-LOBE CONTAINERIZED CARGO VOLUME		CUBIC FEET	5,250	5,250	5,250	5,250	5,250	
		CUBIC METERS	150	150	150	150	150	
		CUBIC FEET	1,000	1,000	1,000	1,000	1,000	
		CUBIC METERS	28	28	28	28	28	
USABLE FUEL CAPACITY		U.S. GALLONS	48,440	48,070	48,440	48,070	48,440	
		LITERS	183,350	181,950	183,350	181,950	183,350	
		POUNDS	327,000	324,480	327,000	324,480	327,000	
		KILOGRAMS	148,300	147,160	148,300	147,160	148,300	

① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS.

② OPTIONAL LANDING WEIGHT OF 585,000 LB (265,300 KG) IS AVAILABLE.

③ ADDITIONAL 12 ECONOMY CLASS SEATS WITH NO. 3 DOORS DEACTIVATED.

④ 85 SEATS ON UPPER DECK.

2.1.6 GENERAL CHARACTERISTICS

MODEL 747-300 (747-100B, NEW AND RETROFIT)

CHARACTERISTIC		ENGINE ①		747-300	
		UNITS	CF6-50E2	RB211-524D4	JT9D-7R4G2
MAXIMUM RAMP WEIGHT	POUNDS	778,000	788,000	803,000	836,000
	KILOGRAMS	352,800	357,400	364,200	379,100
MAXIMUM LANDING WEIGHT ②	POUNDS	574,000	574,000	574,000	574,000
	KILOGRAMS	260,320	260,320	260,320	260,320
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT	POUNDS	775,000	785,000	800,000	833,000
	KILOGRAMS	351,500	356,000	362,800	377,800
OPERATING EMPTY WEIGHT (TYPICAL—VARIES WITH ENGINE/WEIGHT OPTION)	POUNDS	387,740	387,750	393,180	385,480
	KILOGRAMS	175,850	175,850	178,310	174,920
ZERO FUEL WEIGHT	POUNDS	535,000	535,000	545,000	535,000
	KILOGRAMS	242,630	242,630	247,170	242,630
MAXIMUM STRUCTURAL PAYLOAD	POUNDS	147,260	147,250	151,920	149,520
	KILOGRAMS	66,780	66,780	68,860	67,810
MAXIMUM SEATING CAPACITY (INCLUDES 69 SEATS ON OPTIONAL UPPER DECK)	BASIC MIXED ARRANGEMENT (INCLUDES 30 FIRST-CLASS SEATS) ③	565	565	565	565
	ALTERNATE ARRANGEMENT ALL-ECONOMY (10 ABREAST) ③	608	608	608	608
MAXIMUM LOWER-LOBE CONTAINERIZED CARGO VOLUME	CUBIC FEET	5,250	5,250	5,250	5,250
	CUBIC METERS	150	150	150	150
	CUBIC FEET	1,000	1,000	1,000	1,000
	CUBIC METERS	28	28	28	28
MAXIMUM LOWER-LOBE BULK CARGO VOLUME	U.S. GALLONS	52,035	52,035	52,410	52,410
	LITERS	196,950	196,950	198,370	198,370
	POUNDS	348,635	348,635	351,150	351,150
	KILOGRAMS	158,110	158,110	159,250	159,250
USABLE FUEL CAPACITY ④	POUNDS	348,635	348,635	351,150	351,150
	KILOGRAMS	158,110	158,110	159,250	159,250

- ① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
 ② OPTIONAL LANDING WEIGHTS OF 585,000 LB (265,300 KG) AND 630,000 LB (285,700 KG) AVAILABLE.
 ③ ADDITIONAL 12 ECONOMY CLASS SEATS WITH NO. 3 DOORS DEACTIVATED.
 ④ EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS AVAILABLE WITH OEI INCREASE OF 160 LB (73 KG).

2.1.7 GENERAL CHARACTERISTICS
 MODEL 747-300 (747-200B, NEW AND RETROFIT)

747-300 COMBI							
747-300 COMBI OPTION ON 747-200B COMBI							
CHARACTERISTIC	ENGINE ①		ALL PASSENGER		6-PALLET	12-PALLET	
	UNITS		CF6-50E2	RB211-524D4			JT9D-7R4G2
MAXIMUM RAMP WEIGHT	POUNDS		778,000	788,000	803,000	823,000	836,000
	KILOGRAMS		352,800	357,400	364,200	373,200	379,100
MAXIMUM LANDING WEIGHT ②	POUNDS		605,000	605,000	605,000	605,000	605,000
	KILOGRAMS		274,380	274,380	274,380	274,380	274,380
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT	POUNDS		775,000	785,000	800,000	820,000	833,000
	KILOGRAMS		351,500	356,000	362,800	371,900	377,800
OPERATING EMPTY WEIGHT (TYPICAL—VARIES WITH ENGINE/WEIGHT OPTION)	POUNDS		397,260	402,700	393,810	392,780	385,430
	KILOGRAMS		180,160	182,630	178,600	178,130	174,800
ZERO FUEL WEIGHT	POUNDS		545,000	555,000	545,000	565,000	565,000
	KILOGRAMS		247,160	251,700	247,160	256,240	256,240
MAXIMUM STRUCTURAL PAYLOAD	POUNDS		147,740	152,300	151,190	172,220	179,570
	KILOGRAMS		67,000	69,070	68,560	78,110	81,440
MAXIMUM SEATING CAPACITY (INCLUDES 69 SEATS ON OPTIONAL UPPER DECK)	BASIC MIXED ARRANGEMENT (INCLUDES 30 FIRST-CLASS SEATS)		565	565	565	565	360
	ALTERNATE ARRANGEMENT ALL-ECONOMY (10 ABREAST)		608	608	608	608	446
MAXIMUM LOWER-LOBE & MAIN DECK CONTAINERIZED CARGO VOLUME	CUBIC FEET		5,250	5,250	5,250	9,030	12,810
	CUBIC METERS		150	150	150	260	360
MAXIMUM LOWER-LOBE BULK CARGO VOLUME	CUBIC FEET		1,000	1,000	1,000	1,000	1,000
	CUBIC METERS		28	28	28	28	28
USABLE FUEL CAPACITY ⑦	U.S. GALLONS		52,035	52,410	52,410	52,035	52,410
	LITERS		196,950	198,370	198,370	196,950	198,370
	POUNDS		348,635	351,150	351,150	348,635	351,150
	KILOGRAMS		158,110	159,250	159,250	158,110	159,250

- ① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
- ② OPTIONAL LANDING WEIGHT OF 630,000 LB (285,700 KG) IS AVAILABLE.
- ③ FOR SEVEN- AND THIRTEEN-PALLET CONFIGURATIONS, DEDUCT 510 LB (230 KG) FROM OEW AND ADD TO MAXIMUM STRUCTURAL PAYLOAD.
- ④ ADDITIONAL 12 ECONOMY CLASS SEATS WITH NO. 3 DOORS DEACTIVATED.
- ⑤ INCLUDES SIX 96 BY 125 BY 96 IN. (2.44 BY 3.18 BY 2.44 M) PALLETIZED CARGO MODULES.
- ⑥ INCLUDES TWELVE 96 BY 125 BY 96 IN. PALLETIZED CARGO MODULES.
- ⑦ EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS AVAILABLE WITH OEW INCREASE OF 160 LB (73 KG).

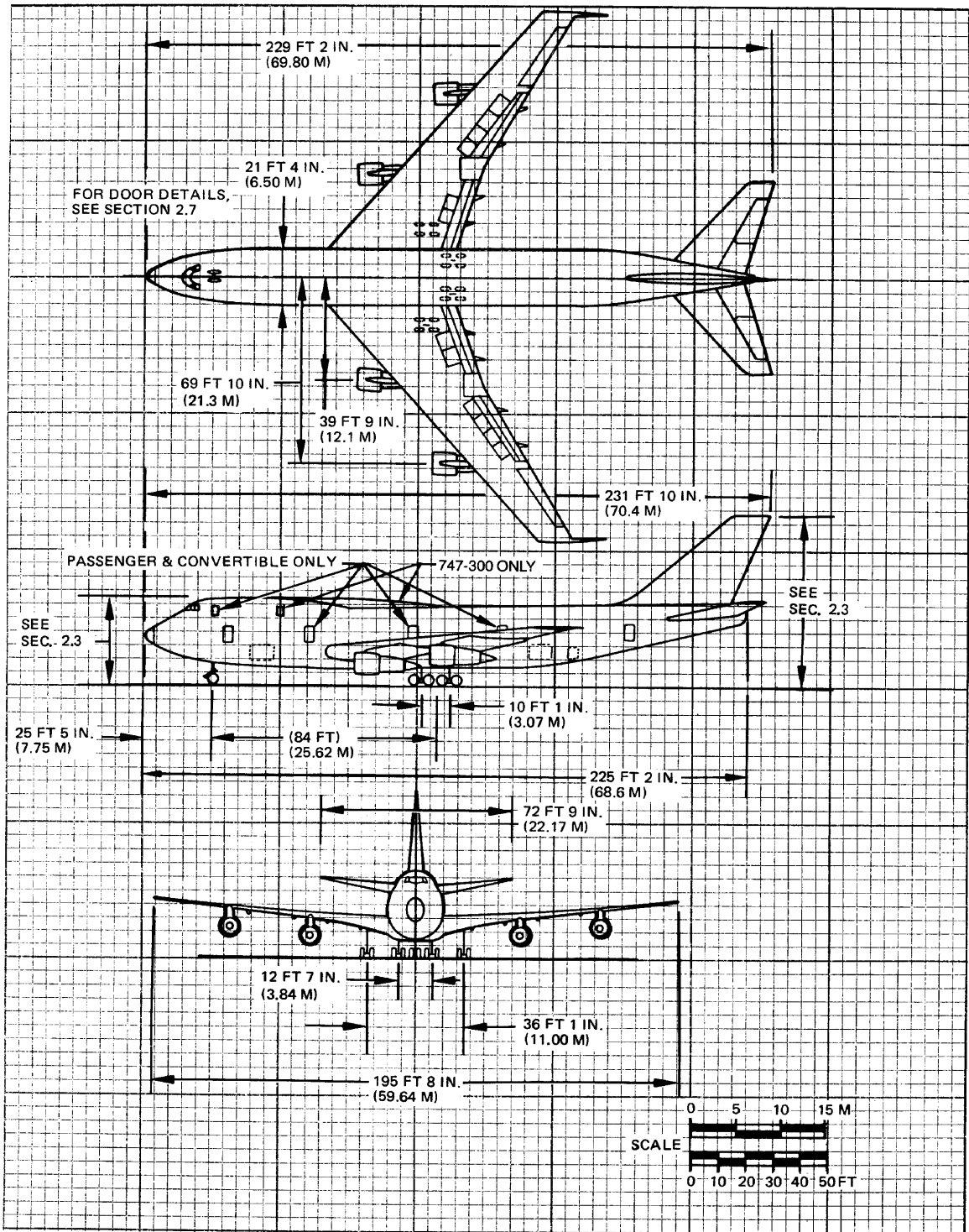
2.1.8 GENERAL CHARACTERISTICS

MODEL 747-300 COMBI (747-200B COMBI, NEW AND RETROFIT)

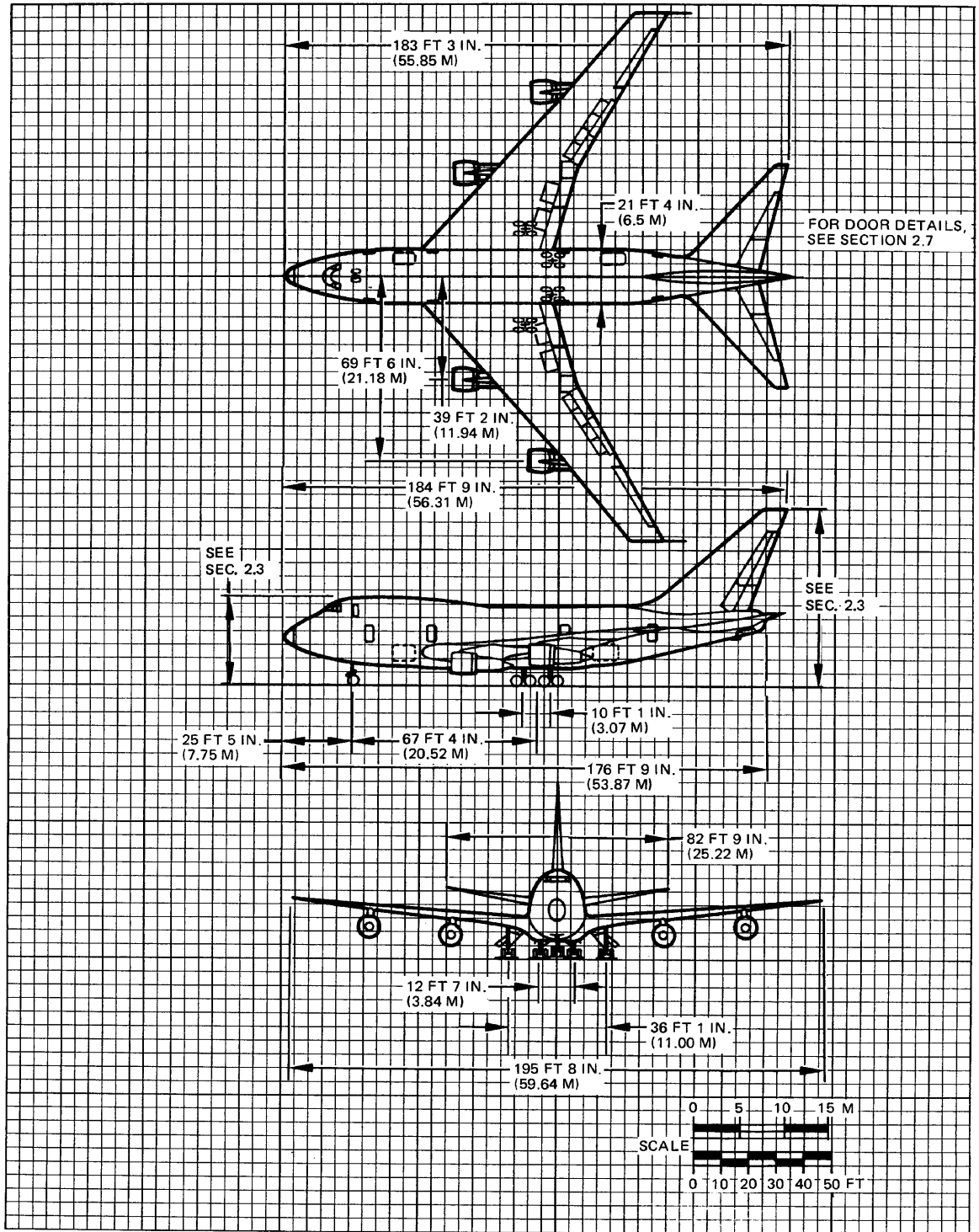
CHARACTERISTIC		ENGINE ①		747SP					
		UNITS		ALL PASSENGER					
				JT9D-7A, -7F, -7J -7AW, -7FW		RB211- 524C2	CF6- 45A2/B2	JT9D-7A	
MAXIMUM RAMP WEIGHT		POUNDS	②	638,000	②	666,000	②	696,000	703,000
		KILOGRAMS	②	288,440	②	302,000	②	315,600	318,800
MAXIMUM LANDING WEIGHT ③		POUNDS		450,000		450,000		450,000	450,000
		KILOGRAMS		204,100		204,100		204,100	204,100
MAXIMUM TAKEOFF OR BRAKE RELEASE WEIGHT		POUNDS		630,000		660,000		690,000	696,000
		KILOGRAMS		285,700		299,320		303,900	315,600
OPERATING EMPTY WEIGHT (TYPICAL— VARIES WITH ENGINE/WEIGHT OPTION)		POUNDS	④	325,660	④	325,660	④	331,330	326,270
		KILOGRAMS	④	147,690	④	147,690	④	150,260	147,970
ZERO FUEL WEIGHT ⑤		POUNDS		410,000		410,000		410,000	410,000
		KILOGRAMS		185,940		185,940		185,940	185,940
MAXIMUM STRUCTURAL PAYLOAD		POUNDS	⑥	84,340	⑥	84,340	⑥	73,130	83,730
		KILOGRAMS	⑥	38,250	⑥	38,250	⑥	33,160	37,970
MAXIMUM SEATING CAPACITY (INCLUDES 32 SEATS ON OPTION- AL UPPER DECK)	BASIC MIXED ARRANGEMENT 28 FIRST CLASS, 303 ECONOMY			331		331		331	331
	ALTERNATE ARRANGEMENT 28 FC & 9-ABREAST ECONOMY			297		297		297	297
MAXIMUM LOWER-LOBE CONTAINERIZED CARGO VOLUME		CUBIC FEET		3,500		3,500		3,500	3,500
		CUBIC METERS		99		99		99	99
MAXIMUM LOWER-LOBE BULK CARGO VOLUME		CUBIC FEET		400		400		400	400
		CUBIC METERS		11		11		11	11
USABLE FUEL CAPACITY		U.S. GALLONS	⑦	48,780	⑦	48,780	⑦	50,360	48,780
		LITERS	⑦	184,630	⑦	184,630	⑦	190,610	184,630
		POUNDS	⑦	326,625	⑦	326,625	⑦	337,410	326,625
ENGINE INJECTION WATER CAPACITY		KILOGRAMS		148,130	⑦	148,130	⑦	153,020	148,130
		U.S. GALLONS	⑧	600	⑧	600	⑧	—	—
	LITERS	⑧	2,270	⑧	2,270	⑧	—	—	

① TYPICAL ENGINE/WEIGHT COMBINATIONS SHOWN. SEE SEC. 1.3 FOR OTHER COMBINATIONS AVAILABLE.
 ② ADD 5,000 LB (2,270 KG) to JT9D-7AW and JT9D-7FW.
 ③ OPTIONAL LANDING WEIGHT OF 465,000 LB (210,880 KG) IS AVAILABLE.
 ④ ADD 650 LB (295 KG) FOR -7AW and -7FW.
 ⑤ OPTIONAL ZERO FUEL WEIGHT OF 425,000 LB (192,740 KG) IS AVAILABLE.
 ⑥ DEDUCT 650 LB (295 KG) FOR -7AW and -7FW. EXTENDED RANGE FUEL (1,576 GAL/5,965 L) IS AVAILABLE WITH OEI INCREASE OF 90 LB (40 KG).
 ⑦ JT9D-7AW and JT9D-7FW.

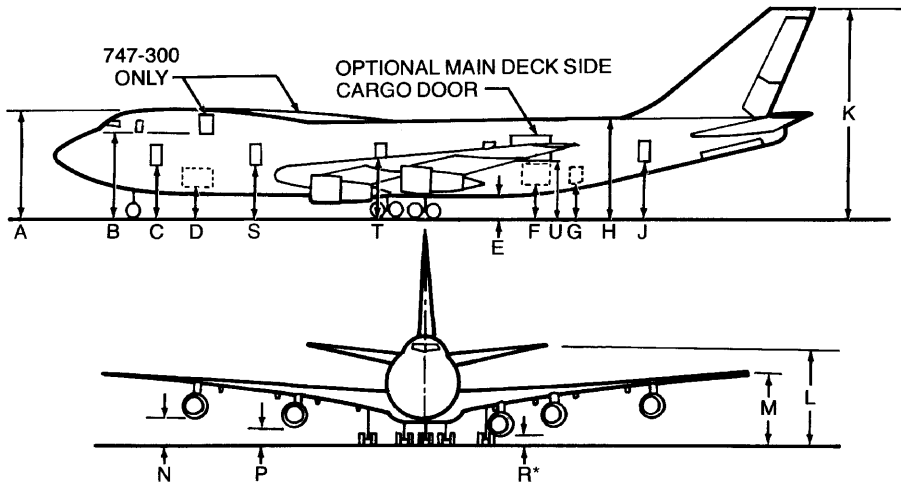
**2.1.9 GENERAL CHARACTERISTICS
MODEL 747SP**



2.2.1 GENERAL DIMENSIONS
MODELS 747-100B, -200, -300



2.2.2 GENERAL DIMENSIONS
MODEL 747SP



	VERTICAL CLEARANCES**			
	MINIMUM		MAXIMUM	
	FT-IN.	M	FT-IN.	M
A	31-10	9.70	34-1	10.39
B	24-10	7.57	27-5	8.36
C	15-3	4.65	17-7	5.36
D	8-8	2.64	10-8	3.25
E	6-3	1.88	6-9	2.08
F	8-10	2.69	10-4	3.15
G	9-6	2.90	11-4	3.46
H	28-6	8.70	31-0	9.43
J	15-0	4.57	17-6	5.33
K	60-2	18.34	64-3	19.58
L	27-0	8.23	30-8	9.35
M	17-7	5.36	19-2	5.84
N	6-0	1.82	7-0	2.13
P	3-9	1.14	4-6	1.37
N	4-11	1.50	6-4	1.93
P	2-7	0.79	3-10	1.17
R*	2-4	0.71	3-0	0.91
S	15-8	4.78	17-2	5.23
T	15-8	4.78	16-7	5.06
U	15-4	4.67	17-6	5.33

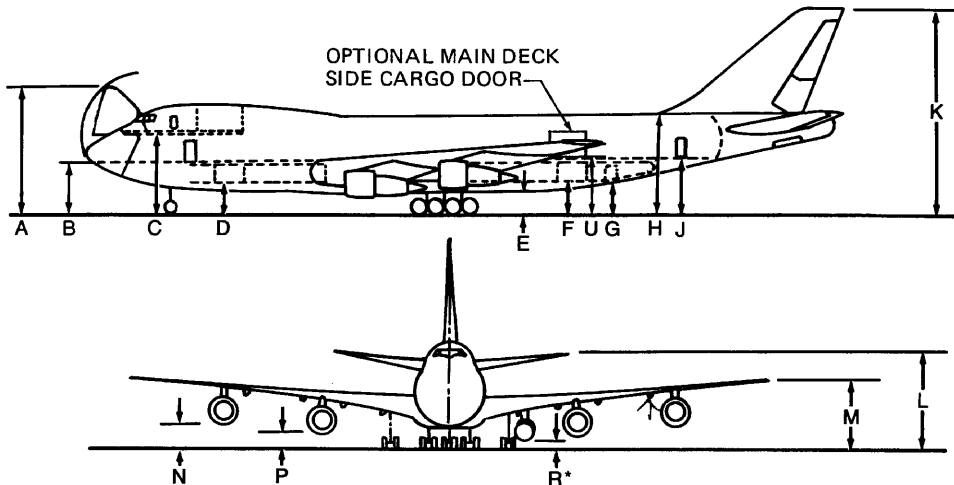
} 747-200B WITH
JT9D-70A ENGINES

*DENOTES GROUND CLEARANCE OF BUILT-UP POWER PACKAGE WHEN CARRIED AS SPARE.

**VERTICAL CLEARANCES SHOWN OCCUR DURING MAXIMUM VARIATIONS OF AIRPLANE ATTITUDE. COMBINATIONS OF AIRPLANE LOADING/UNLOADING ACTIVITIES THAT PRODUCE THE GREATEST POSSIBLE VARIATIONS IN ATTITUDE WERE USED TO ESTABLISH THE VARIATIONS SHOWN.

DURING ROUTINE SERVICING, THE AIRPLANE REMAINS RELATIVELY STABLE, PITCH AND ELEVATION CHANGES OCCURRING SLOWLY.

2.3.1 GROUND CLEARANCES—PASSENGER CONFIGURATIONS
MODELS 747-100B, -200B, -200C, -300



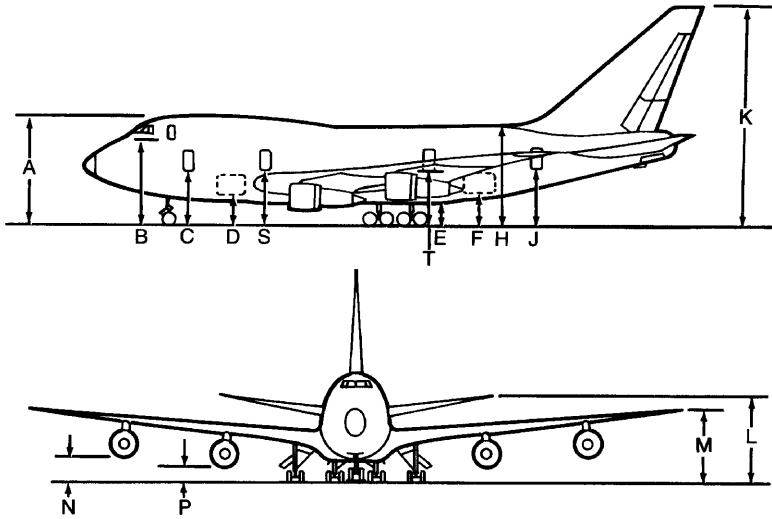
	VERTICAL CLEARANCES**							
	MINIMUM		MAXIMUM		NOSE GEAR TETHERING CONCEPT***			
	FT-IN.	M	FT-IN.	M	MINIMUM		MAXIMUM	
	FT-IN.	M	FT-IN.	M	FT-IN.	M	FT-IN.	M
A	37-8	11.48	40-5	12.32				
B	14-10	4.52	17-11	5.46	16-1	4.95	16-1	4.95
C	24-10	7.57	27-5	8.36				
D	8-6	2.59	10-8	3.25	9-5	2.87	9-7	2.92
E	6-3	1.88	6-9	2.08				
F	8-10	2.69	10-5	3.18	9-3	2.82	10-0	3.05
G	9-6	2.90	11-7	3.53	10-1	3.07	10-10	3.30
H	28-6	8.70	32-6	9.92				
J	15-0	4.57	17-10	5.44				
K	60-1	18.31	64-8	19.71				
L	26-11	8.20	31-2	9.50				
M	17-7	5.36	19-2	5.84				
N	6-0	1.82	7-0	2.13				
P	3-9	1.14	4-6	1.37				
R*	2-4	0.71	3-0	0.91				
U	15-4	4.67	17-6	5.33				

*DENOTES GROUND CLEARANCE OF BUILT-UP POWER PACKAGE WHEN CARRIED AS SPARE.

**VERTICAL CLEARANCES SHOWN OCCUR DURING MAXIMUM VARIATIONS OF AIRPLANE ATTITUDE. COMBINATIONS OF AIRPLANE LOADING/UNLOADING ACTIVITIES THAT PRODUCE THE GREATEST POSSIBLE VARIATIONS IN ATTITUDE WERE USED TO ESTABLISH THE VARIATIONS SHOWN. DURING ROUTINE SERVICING, THE AIRPLANE REMAINS RELATIVELY STABLE, PITCH AND ELEVATION CHANGES OCCURRING SLOWLY.

***AT MAJOR TERMINALS, A GSE TETHERING DEVICE MAY BE USED TO MAINTAIN STABILITY BETWEEN THE MAIN DECK DOOR SILL AND THE LOADING DOCK, OR CARGO BRIDGE ATTACHMENT FITTINGS LOCATED ON THE NOSE DOOR SILL AT THE FORWARD EDGE OF THE MAIN CARGO DECK MAY BE USED FOR CARGO SILL STABILIZATION.

2.3.2 GROUND CLEARANCES — CARGO CONFIGURATIONS MODELS 747-200C, -200F

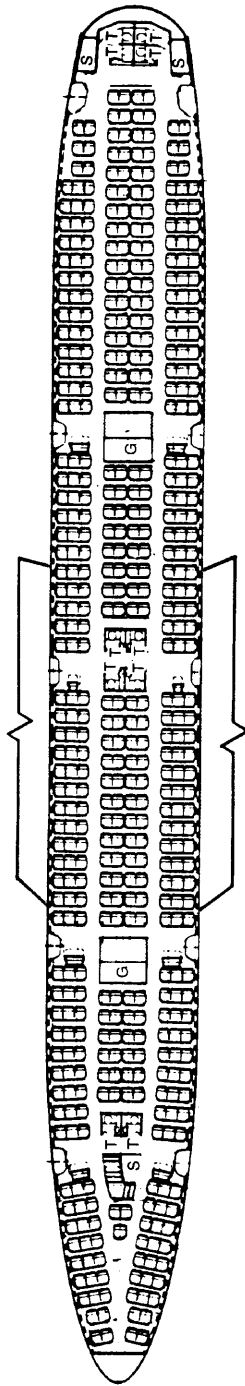


VERTICAL CLEARANCES				
	MINIMUM*		MAXIMUM**	
	FT-IN.	M	FT-IN.	M
A	32-3	9.83	33-0	10.05
B	25-4	7.73	26-1	7.95
C	15-8	4.77	16-4	4.98
D	9-0	2.74	9-8	2.96
E	7-5	2.26	8-1	2.46
F	9-6	2.89	10-2	3.10
H	29-10	9.09	30-6	9.30
J	16-4	4.98	17-0	5.19
K	65-1	19.84	65-10	20.06
L	26-6	8.07	27-3	8.31
M	17-2	5.23	19-4	5.89
N	5-7	1.71	7-0	2.14
P	3-7	1.10	4-5	1.35
S	15-10	4.82	16-6	5.03
T	16-2	4.92	16-10	5.14

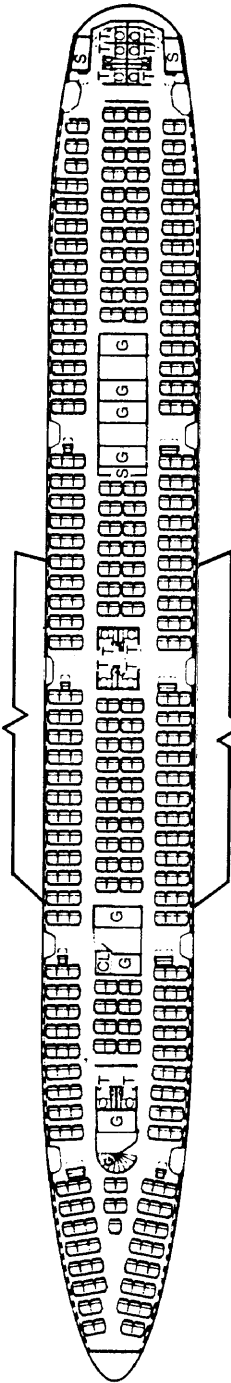
*MAXIMUM GROSS WEIGHT 666,000 LB (302,000 KG); (11% WT. ON NOSE GEAR)

**OPERATING EMPTY WEIGHT 315,000 LB (143,000KG); (8% WT. ON NOSE GEAR)

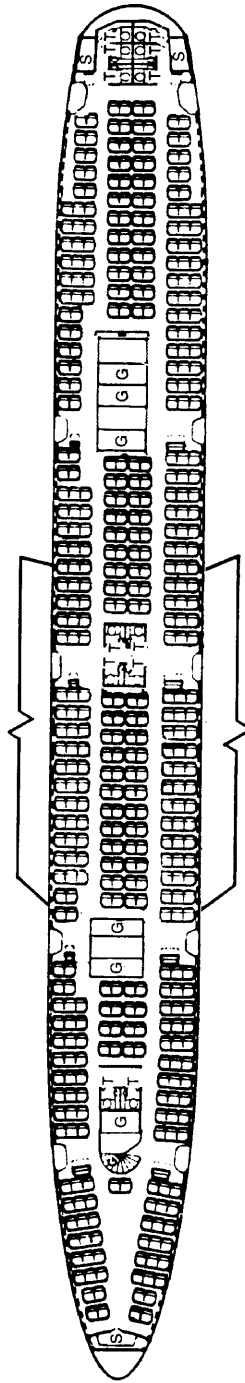
2.3.3 GROUND CLEARANCES—PASSENGER CONFIGURATION MODEL 747SP



- 513 SEATS AT 31- TO 34- IN. (0.79- TO 0.86-M) PITCH
 - STRAIGHT STAIRS TO UPPER DECK
- HIGH DENSITY SEATING (747-100B SR)**



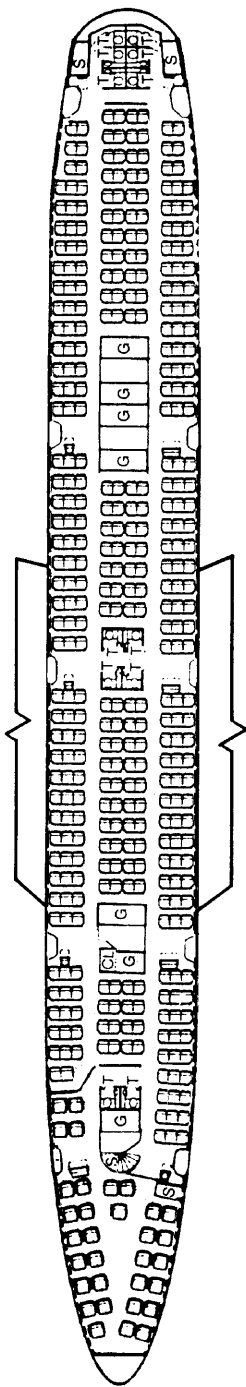
- 448 SEATS AT 34-IN. (0.86-M) PITCH
 - CIRCULAR STAIRS TO UPPER DECK
- INTERNATIONAL ALL-ECONOMY ARRANGEMENT**



- 478 SEATS AT 31-IN. (0.79-M) PITCH
 - CIRCULAR STAIRS TO UPPER DECK
- STANDARD ALL-ECONOMY ARRANGEMENT**



2.4.1. INTERIOR ARRANGEMENTS—MAIN DECK, ALL ECONOMY SEATS
MODELS 747-100B, -200 (PASSENGER CONFIGURATIONS)



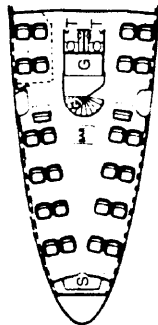
• 420 SEATS

- 32 FIRST CLASS AT 41-IN. (1.04-M) PITCH
- 388 ECONOMY CLASS AT 34-IN. (0.86-M) PITCH

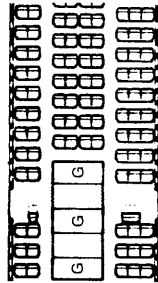
BASIC MIXED-CLASS CONFIGURATION

NO. 3 DOOR LOCATION
(LH & RH)

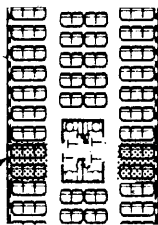
CONTAINERS ARE LOADED
THROUGH NO. 5 LH DOOR



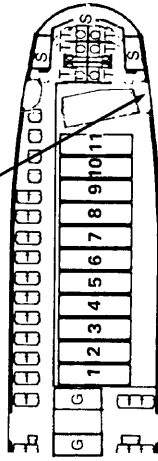
• 24 FIRST CLASS SLEEPER SEATS AT 56- TO 62-IN. (1.42- TO 1.57-M) PITCH



• 9-ABREAST SEATS

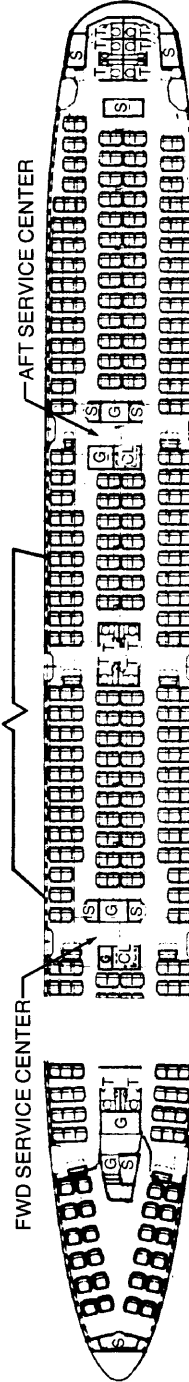


• 12 ADDITIONAL SEATS WITH NO. 3 DOOR DEACTIVATED



• MAIN DECK BAGGAGE CONTAINERS EACH CONTAINER 38 IN. (0.97M) WIDE, 125 IN. (3.17M) LONG, 64 IN. (1.63M) HIGH
MAX GROSS WEIGHT 1,750 LB (790 KG)

OPTIONAL CONFIGURATIONS



• STRAIGHT STAIRS TO UPPER DECK

• LOWER LOBE GALLEYS

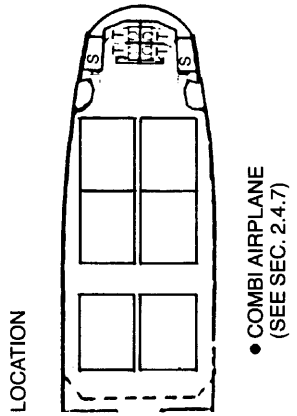
[G] GALLEY

[T] TOILET

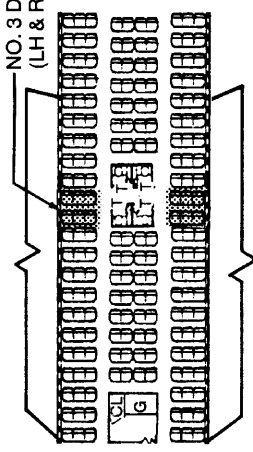
[S] STORAGE

[C] CART LIFT

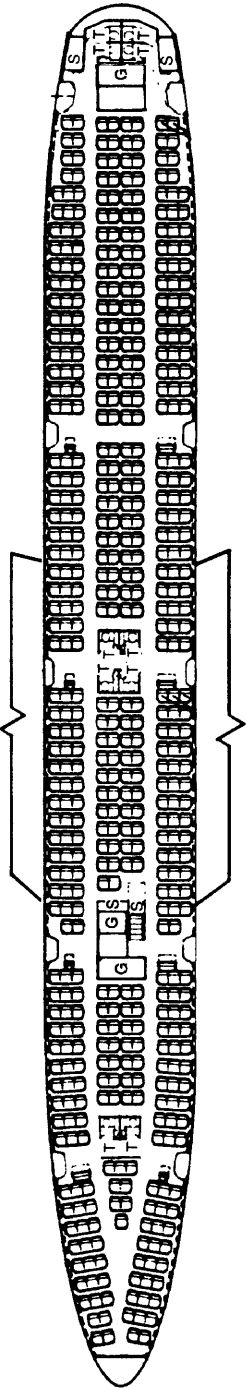
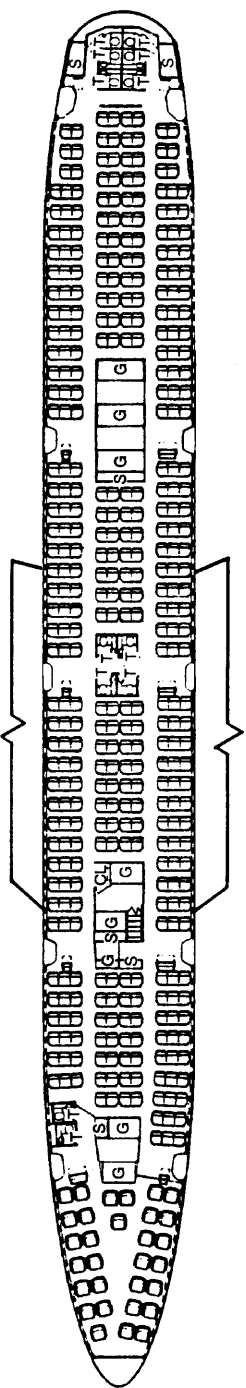
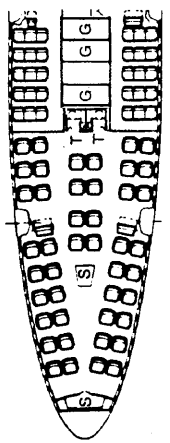
2.4.2. INTERIOR ARRANGEMENTS—MAIN DECK, MIXED CLASS CONFIGURATION
MODELS 747-100B, -200B, -200C



● COMBI AIRPLANE
(SEE SEC. 2.4.7)

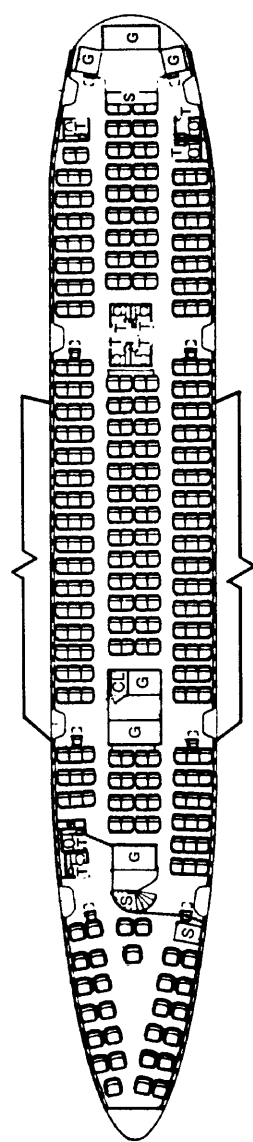
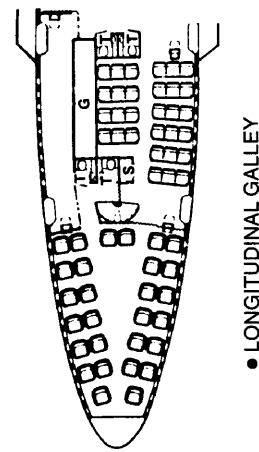
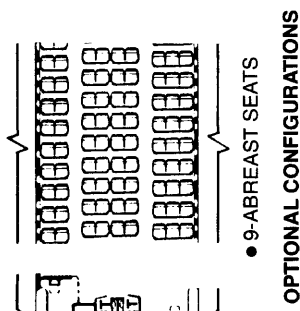
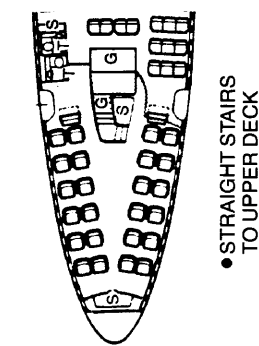


OPTIONAL CONFIGURATIONS



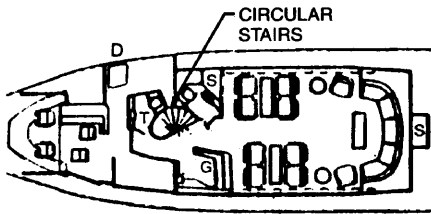
- [T] TOILET
- [G] GALLEY
- [S] STORAGE
- [C] CART LIFT

2.4.3 INTERIOR ARRANGEMENTS—MAIN DECK
MODEL 747-300

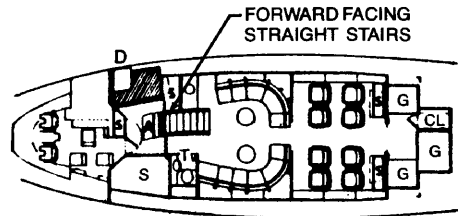


-  TOILET
-  GALLEY
-  STORAGE
-  CART LIFT

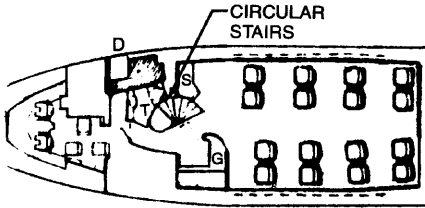
2.4.4 INTERIOR ARRANGEMENTS—MAIN DECK, MIXED CLASS CONFIGURATIONS
MODEL 747SP



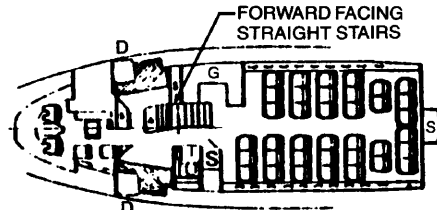
15-PLACE LOUNGE



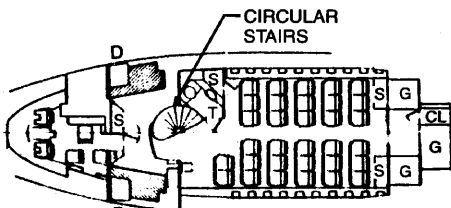
8 FIRST CLASS SEATS
PLUS 11-PLACE LOUNGE



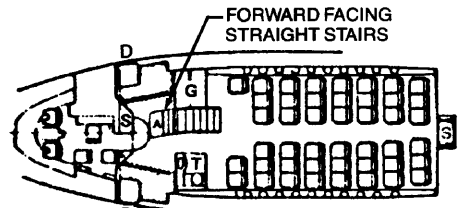
16 FIRST CLASS
SLEEPER SEATS



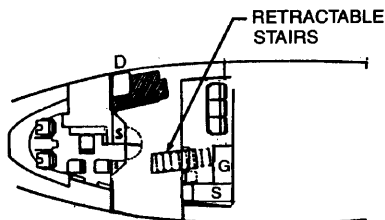
37 ECONOMY CLASS SEATS



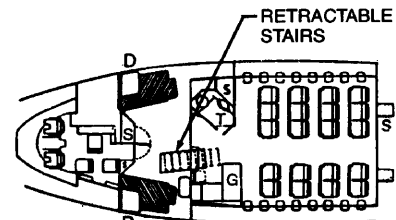
32 ECONOMY CLASS SEATS



45 ECONOMY CLASS SEATS



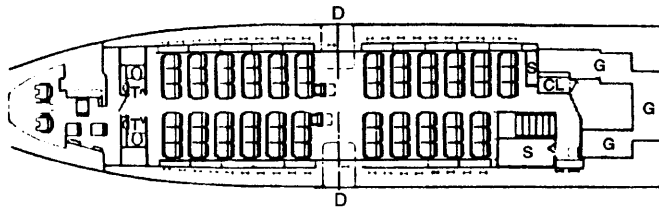
3-PLACE CREW LOUNGE
(747-100SF, 747-200F)



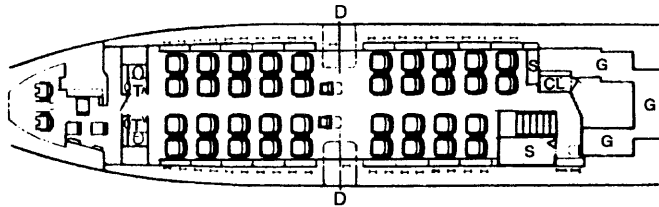
20 ECONOMY CLASS SEATS
(747-200F)

T TOILET **G** GALLEY **S** STORAGE **CL** CART LIFT **D** EXIT DOOR

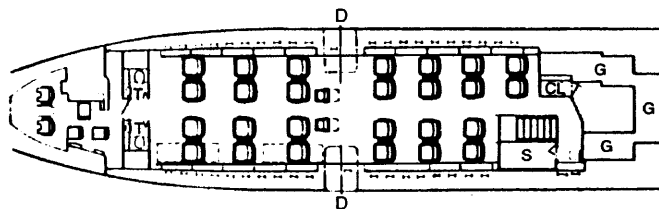
2.4.5 INTERIOR ARRANGEMENTS — UPPER DECK SEATING OPTIONS
MODELS 747-100, -200, SP



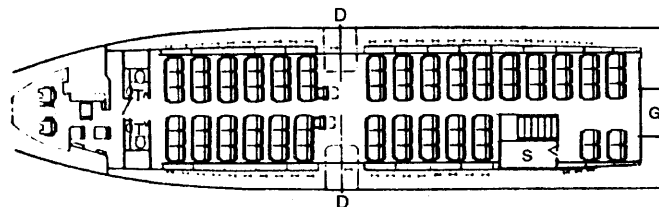
69 ECONOMY CLASS SEATS
AT 34-IN. (0.86-M) PITCH



38 FIRST CLASS SEATS
AT 40-IN./42-IN. (1.02-M/1.07-M) PITCH



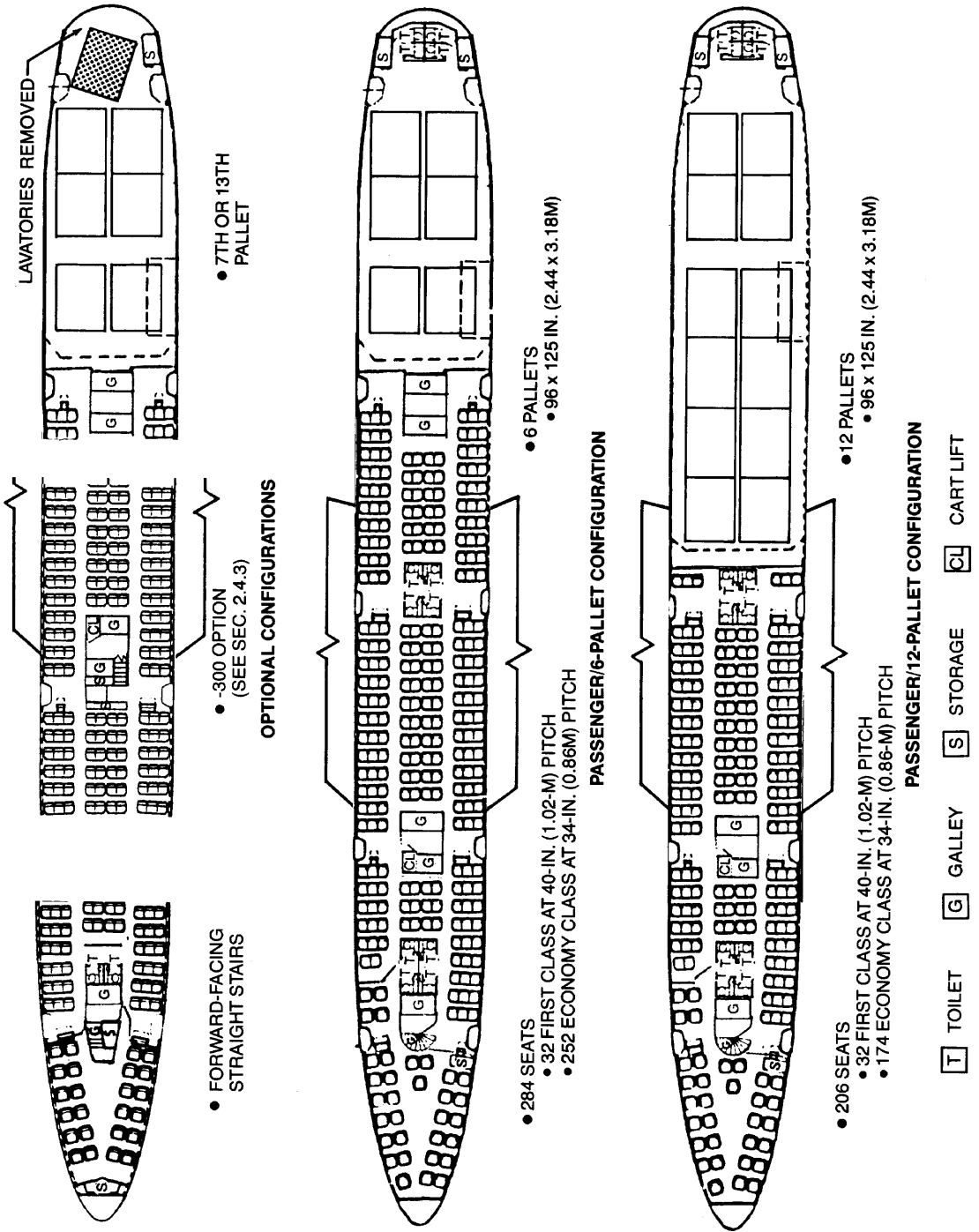
26 FIRST CLASS SLEEPERS
AT 62-IN. (1.57-M) PITCH



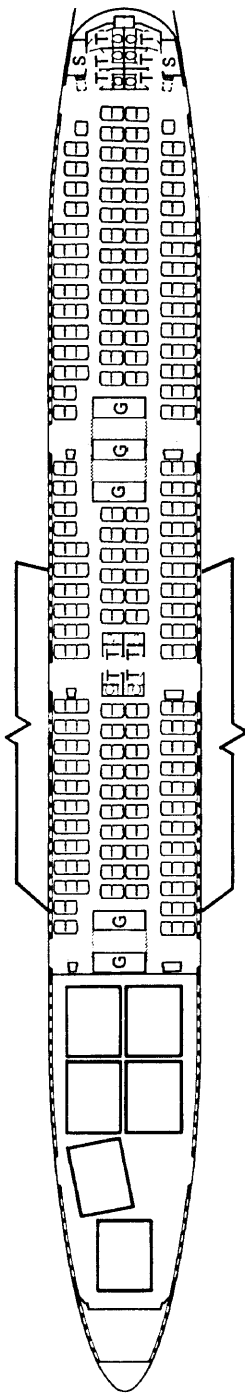
85 ECONOMY CLASS SEATS
AT 33-IN. (0.84-M) PITCH

T TOILET **G** GALLEY **S** STORAGE **CL** CART LIFT **D** EXIT DOOR

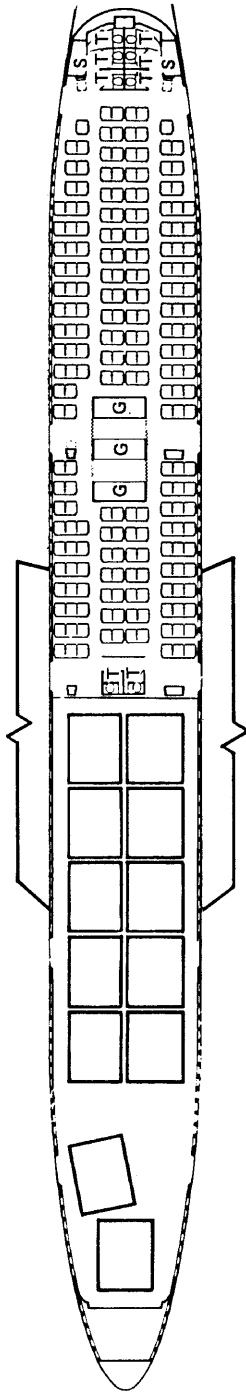
2.4.6 INTERIOR ARRANGEMENT—UPPER DECK SEATING OPTIONS
MODEL 747-300



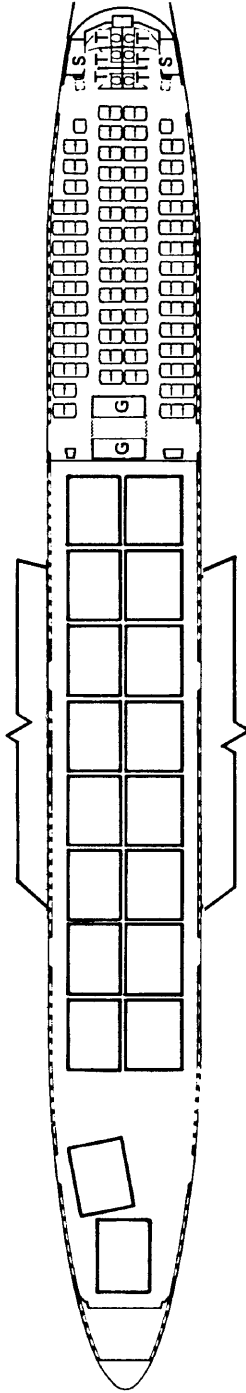
2.4.7 INTERIOR ARRANGEMENTS — MAIN DECK, PASSENGER/CARGO COMBINATIONS
 MODELS 747-200B COMBI, -300 COMBI



- 6 PALLETS, EACH 96 x 125 IN. (2.44 x 3.18M)
UP TO 96 IN. (2.44M) HIGH
- 322 ECONOMY CLASS SEATS AT 34-IN. (0.86-M) PITCH



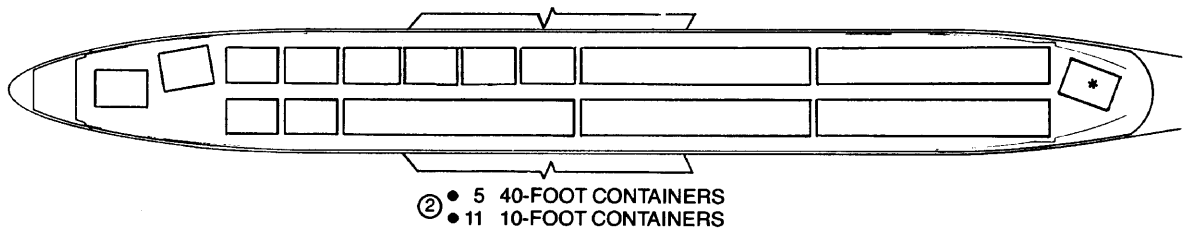
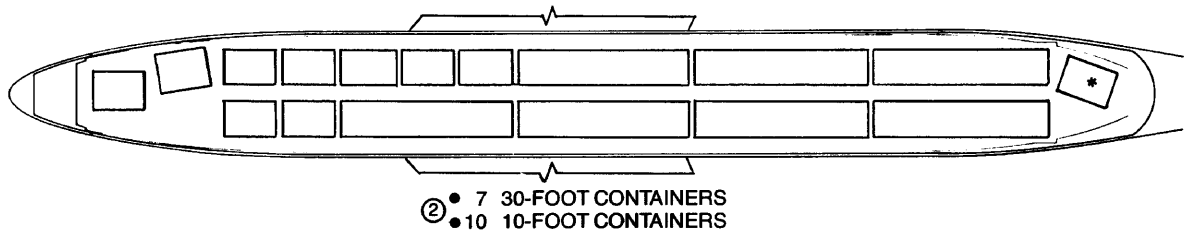
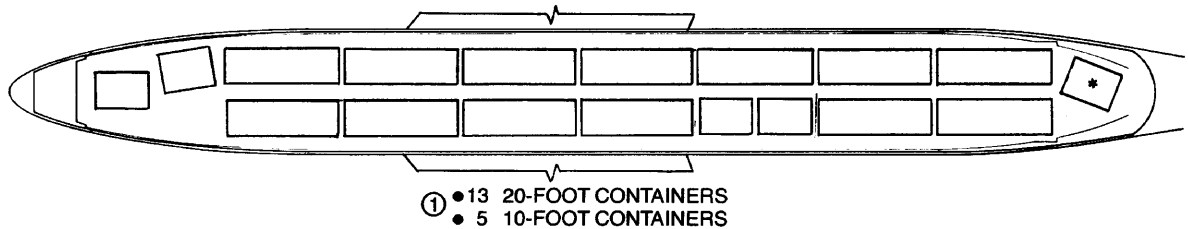
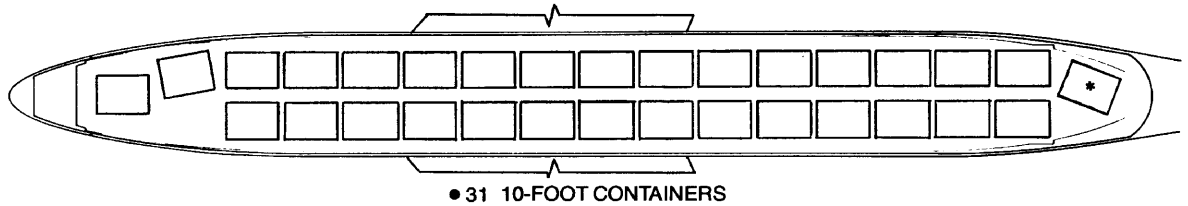
- 12 PALLETS, EACH 96 x 125 IN. (2.44 x 3.18M)
UP TO 96 IN. (2.44M) HIGH
- 219 ECONOMY CLASS SEATS AT 34-IN. (0.86-M) PITCH



- 18 PALLETS, EACH 96 x 125 IN. (2.44 x 3.18M)
UP TO 96 IN. (2.44M) HIGH
- 134 ECONOMY CLASS SEATS AT 34-IN. (0.86-M) PITCH

T TOILET G GALLEY S STORAGE

2.4.8 INTERIOR ARRANGEMENTS—MAIN DECK, PASSENGER/CARGO COMBINATIONS MODEL 747-200C



- ① SPECIAL PROCEDURES ARE REQUIRED FOR SIDE-LOADING 20-FOOT CONTAINERS.
 ② 30-FOOT AND 40-FOOT CONTAINERS ARE LOADED THROUGH THE NOSE DOOR ONLY AND CANNOT BE LOADED INTO THE 747-100SF. THE SF DOES NOT HAVE NOSE-LOADING CAPABILITY.

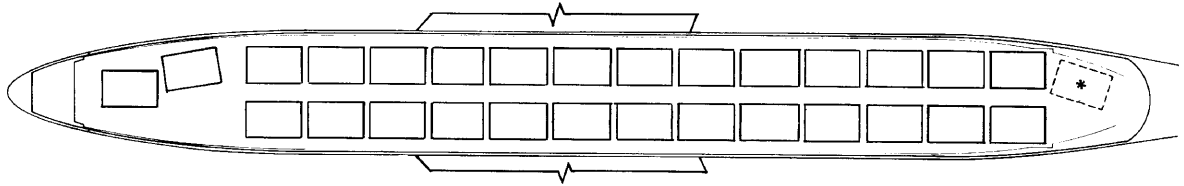
CONTAINER DATA

LENGTH	DIMENSIONS						VOLUME		MAX. GROSS WEIGHT**	
	INCHES			METERS						
	FEET	W	L	H	W	L	H	CU FT	CUM	LB
10	96	117.75	96	2.44	2.99	2.44	550	15.58	12,500	5,675
20	96	238.50	96	2.44	6.06	2.44	1,160	32.85	25,000	11,350
30	96	359.25	96	2.44	9.12	2.44	1,775	50.27	35,000	15,890
40	96	480.00	96	2.44	12.19	2.44	2,350	66.55	45,000	20,430

*OPTIONAL CAPABILITY

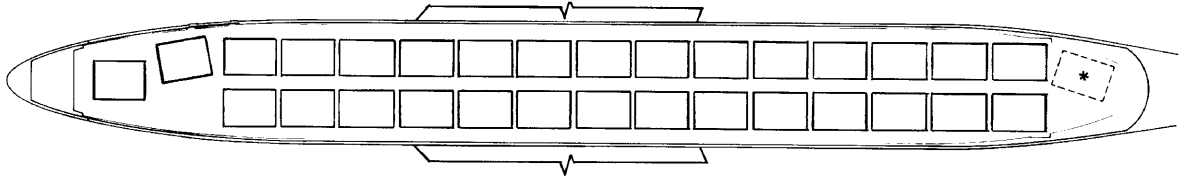
**MAXIMUM GROSS WEIGHTS ARE BASED ON MAXIMUM MAIN-DECK RUNNING LOAD CAPABILITY OR CURRENT CARGO MODULE SPECIFICATION LIMIT

2.4.9 INTERIOR ARRANGEMENTS—MAIN DECK, CONTAINERIZED CARGO
 MODELS 747-100SF, -200C, -200F

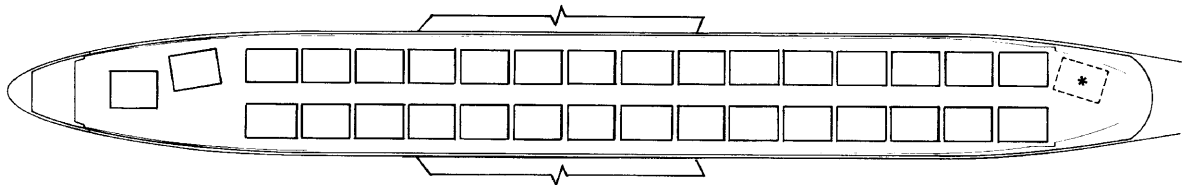


28 PALLETS
 96 BY 125 BY 96 IN. (2.44 BY 3.18 BY 2.44 M)
 630 CU FT (18.0 CU M) EACH
 MGW** 15,000 LB (6,810 KG) EACH
 TOTAL 17,640 CU FT (498 CU M)

28 PALLETS
 88 BY 125 BY 96 IN. (2.23 BY 3.18 BY 2.44 M)
 580 CU FT (16.4 CU M) EACH
 MGW** 15,000 LB (6,810 KG) EACH
 TOTAL 16,240 CU FT (460 CU M)

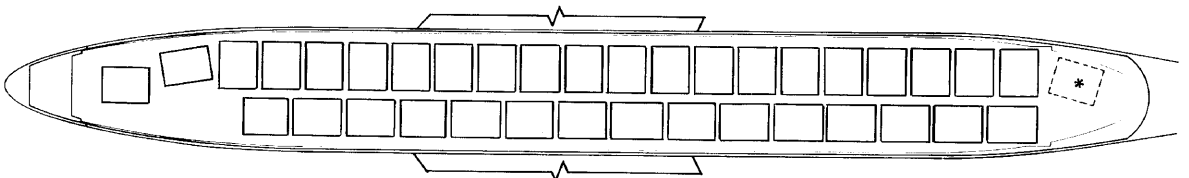


30 PALLETS
 96 BY 117.75 BY 96 IN. (2.44 BY 2.99 BY 2.44 M)
 585 CU FT (16.6 CU M) EACH
 MGW** 12,500 LB (5,675 KG) EACH
 TOTAL 17,550 CU FT (497 CU M)



32 PALLETS
 88 BY 108 BY 96 IN. (2.23 BY 2.74 BY 2.44 M)
 (COMMERCIAL)
 498 CU FT (14.1 CU M) EACH
 MGW** 13,000 LB (5,902 KG)
 TOTAL 15,936 CU FT (450 CU M)

32 PALLETS
 88 BY 108 BY 96 IN. (2.23 BY 2.74 BY 2.44 M)
 (MILITARY)
 490 CU FT (13.9 CU M) EACH
 MGW** 13,000 LB (5,902 KG)
 TOTAL 15,680 CU FT (443 CU M)

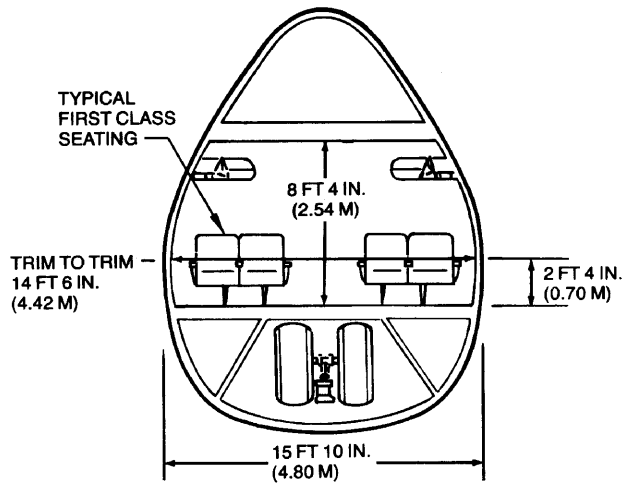


36 PALLETS
 88 BY 108 BY 96 IN. (2.23 BY 2.74 BY 2.44 M)
 (MILITARY)
 490 CU FT (13.9 CU M) EACH
 MGW** 13,000 LB (5,902 KG)
 TOTAL 17,640 CU FT (498 CU M)

* OPTIONAL CAPABILITY. STANDARD ON 747-200F.
 ** MAXIMUM GROSS WEIGHTS (MGW) ARE BASED ON MAXIMUM MAIN-DECK RUNNING LOAD CAPABILITY OR CURRENT CARGO MODULE SPECIFICATION UNIT.

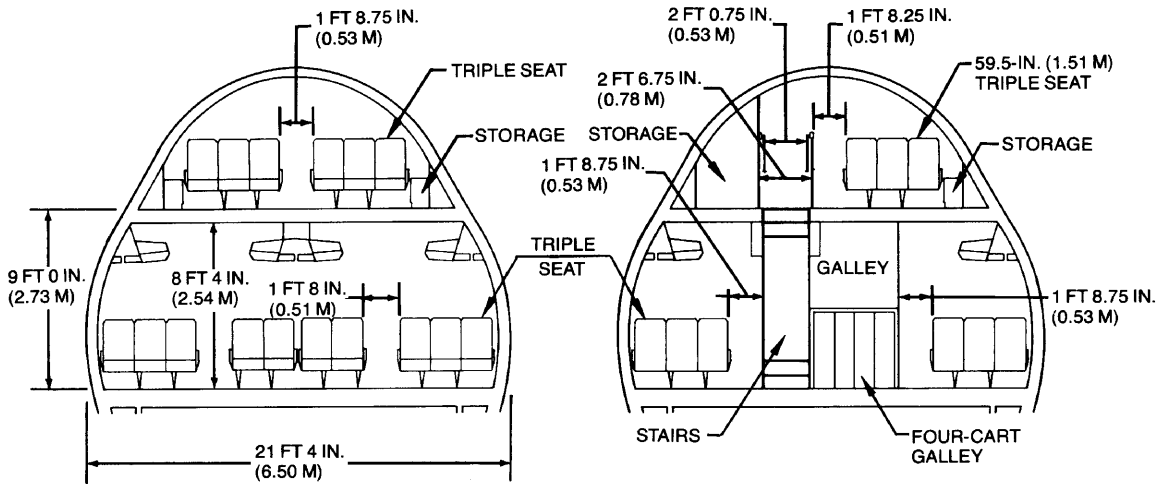
2.4.10 INTERIOR ARRANGEMENTS—MAIN DECK, PALLETIZED CARGO

MODELS 747-100SF, -200C, -200F



VIEW LOOKING AFT

FORWARD CABIN
18 FT (5.60 M) AFT OF NOSE



VIEW LOOKING AFT

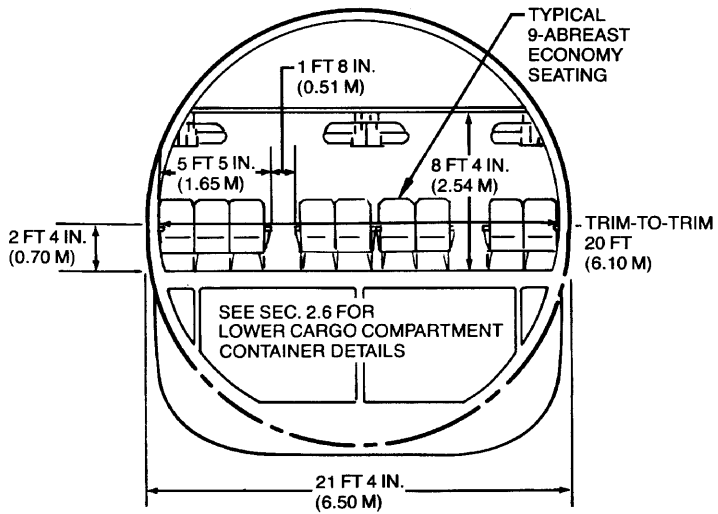
CONSTANT UPPER DECK SECTION

VIEW LOOKING FORWARD

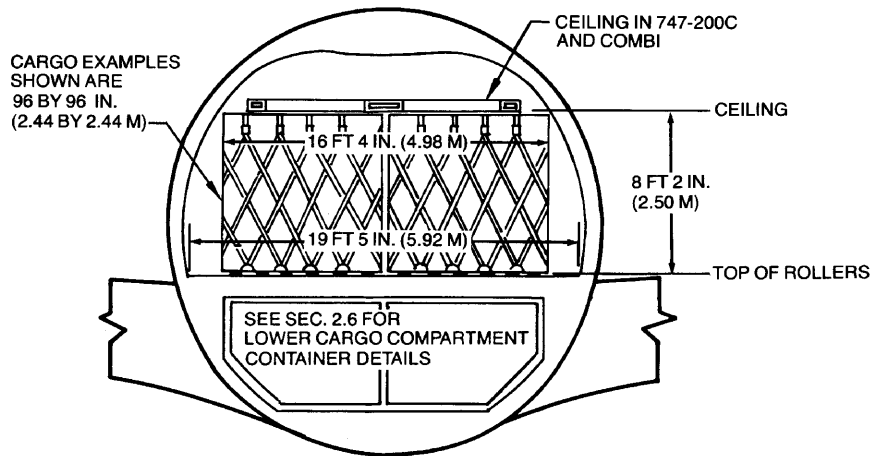
AFT-FACING STAIRS TO UPPER DECK (747-300)

SEE SEC. 2.6 FOR
LOWER CARGO COMPARTMENT
DETAILS

2.5.1 CABIN CROSS SECTIONS — FORWARD CABIN
MODEL 747

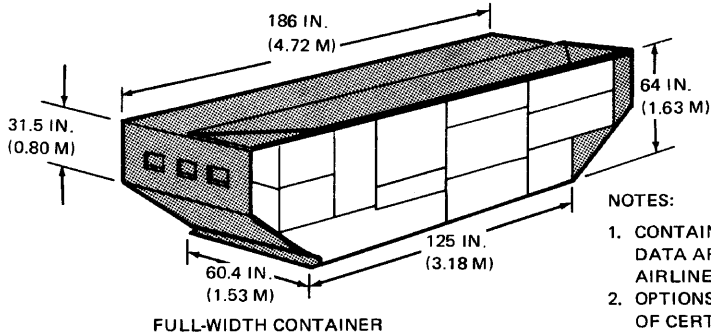
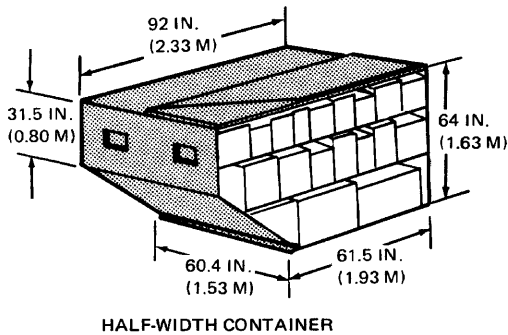
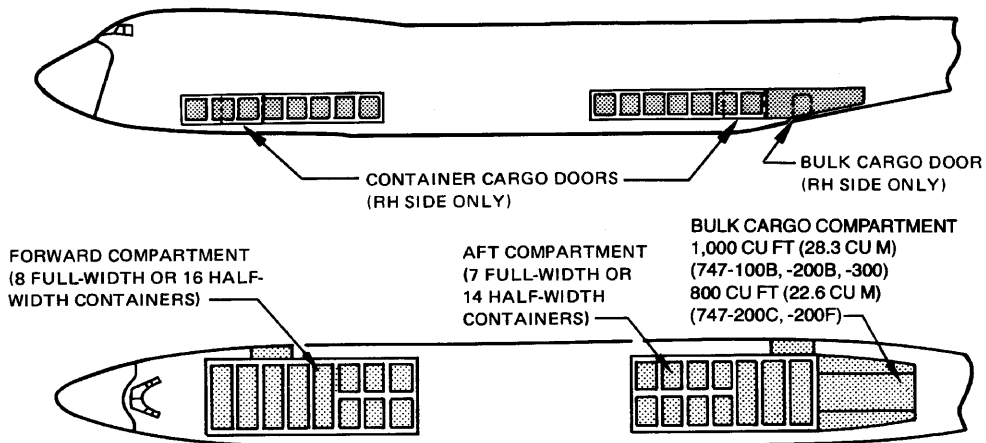


PASSENGER CONFIGURATION



CONVERTIBLE AND FREIGHTER CONFIGURATION

2.5.2 CABIN CROSS SECTIONS — CONSTANT BODY SECTION
MODEL 747

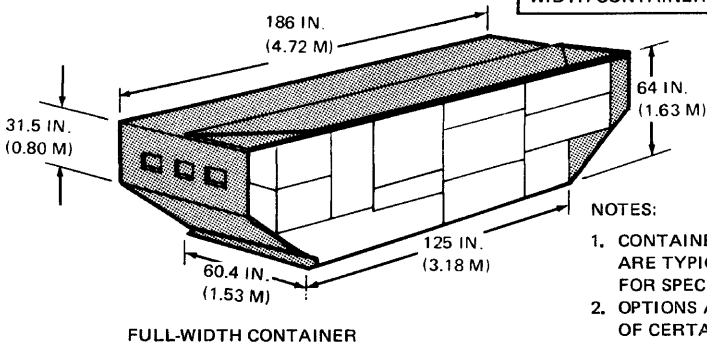
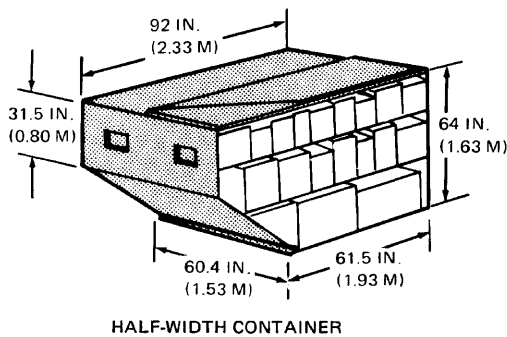
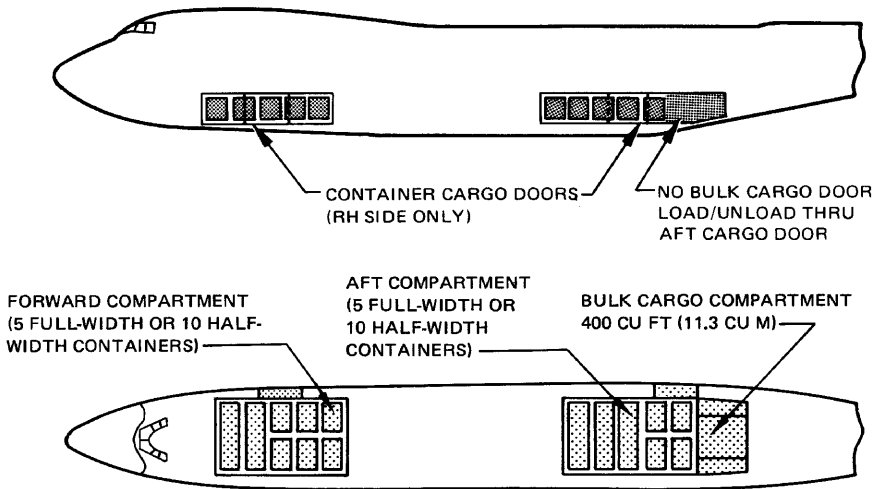


CONTAINER DATA		
	HALF-WIDTH	FULL-WIDTH
INTERNAL VOLUME PER CONTAINER	173 CU FT 4.9 CU M	350 CU FT 9.9 CU M
TARE WEIGHT PER CONTAINER	270 LB 123 KG	470 LB 213 KG
MAXIMUM CARGO WEIGHT PER CONTAINER	3,230 LB 1,467 KG	6,530 LB 2,965 KG
MAXIMUM GROSS WEIGHT PER CONTAINER	3,500 LB 1,590 KG	7,000 LB 3,180 KG
TOTAL VOLUME OF 15 FULL-WIDTH CONTAINERS -5,250 CU FT (148.5 CU M)		
TOTAL VOLUME OF 30 HALF-WIDTH CONTAINERS -5,190 CU FT (147.0 CU M)		
GROSS WEIGHT FOR 15 FULL-WIDTH OR 30 HALF-WIDTH CONTAINERS-105,000 LB (47,670 KG)		

NOTES:

1. CONTAINER WEIGHT AND VOLUME DATA ARE TYPICAL. CONSULT USING AIRLINE FOR SPECIFIC DATA.
2. OPTIONS ARE OFFERED FOR CARRIAGE OF CERTAIN STANDARD MILITARY AND COMMERCIAL PALLETS IN CONTAINER COMPARTMENTS.

2.6.1 LOWER CARGO COMPARTMENTS — CONTAINERS AND BULK CARGO MODELS 747-100B, -200, -300

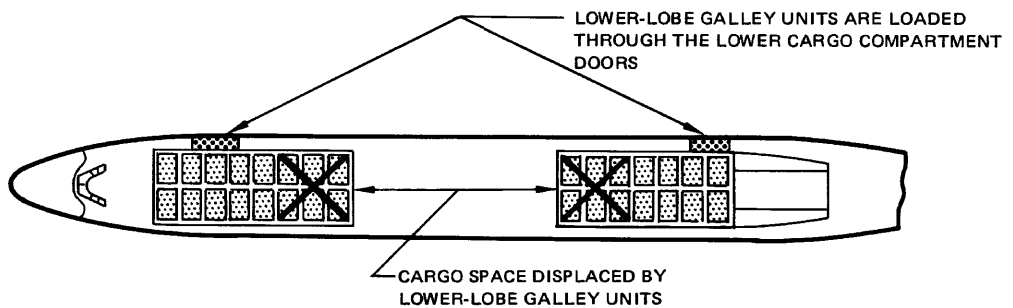
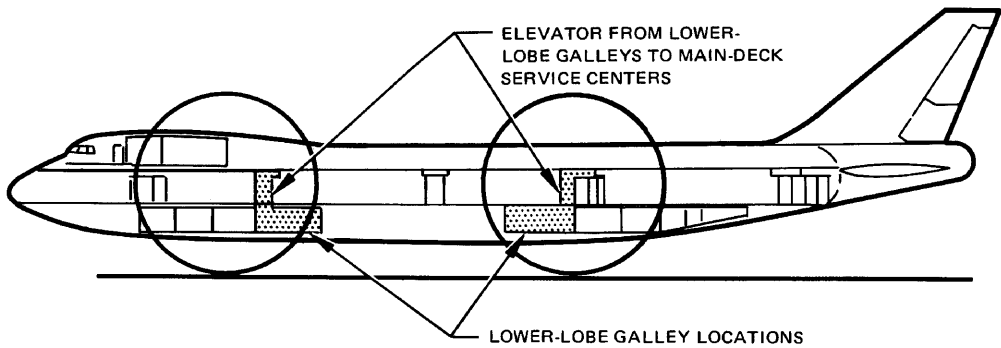


CONTAINER DATA		
	HALF-WIDTH	FULL-WIDTH
INTERNAL VOLUME PER CONTAINER	173 CU FT 4.9 CU M	350 CU FT 9.9 CU M
TARE WEIGHT PER CONTAINER	270 LB 123 KG	470 LB 213 KG
MAXIMUM CARGO WEIGHT PER CONTAINER	3,230 LB 1,467 KG	6,530 LB 2,965 KG
MAXIMUM GROSS WEIGHT PER CONTAINER	3,500 LB 1,590 KG	7,000 LB 3,180 KG
TOTAL VOLUME OF 10 FULL-WIDTH CONTAINERS —3,500 CU FT (99.0 CU M)		
TOTAL VOLUME OF 20 HALF-WIDTH CONTAINERS —3,460 CU FT (97.9 CU M)		
GROSS WEIGHT FOR 10 FULL-WIDTH OR 20 HALF-WIDTH CONTAINERS—70,000 LB (31,780 KG)		

NOTES:

1. CONTAINER WEIGHT AND VOLUME DATA ARE TYPICAL. CONSULT USING AIRLINE FOR SPECIFIC DATA
2. OPTIONS ARE OFFERED FOR CARRIAGE OF CERTAIN STANDARD MILITARY AND COMMERCIAL PALLETS IN CONTAINER COMPARTMENTS.

2.6.2 LOWER CARGO COMPARTMENTS — CONTAINERS AND BULK CARGO
MODEL 747SP



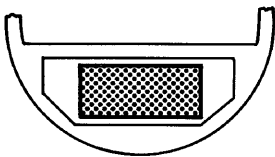
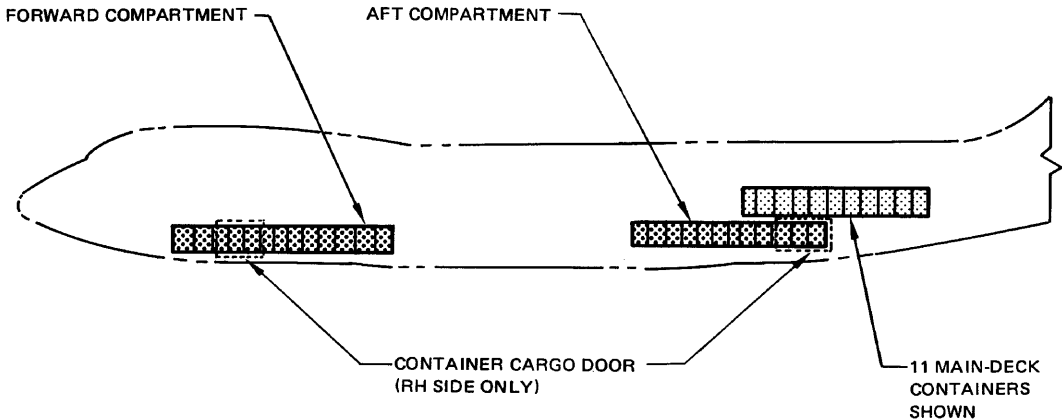
COMPARISON OF CARGO VOLUME WITH/WITHOUT LOWER-LOBE GALLEYS		
	WITH MAIN-DECK GALLEYS	WITH LOWER-LOBE GALLEYS
NUMBER OF CONTAINERS	30	18
CONTAINER VOL—CU FT (CU M)	5,190 (147)*	3,114 (88.2)*
BULK CARGO VOL—CU FT (CU M)	1,000 (28.3)**	1,000 (28.3)**
TOTAL VOL: CU FT (CU M)	6,190 (175.3)	4,114 (116)

* CONTAINER DATA FROM SEC 2.6.1.

** 800 CU FT (22.6 CU M) ON 747-200C AND COMBI

2.6.3 LOWER CARGO COMPARTMENTS — LOWER-LOBE GALLEY OPTION

MODELS 747-100B, -200B, -200C



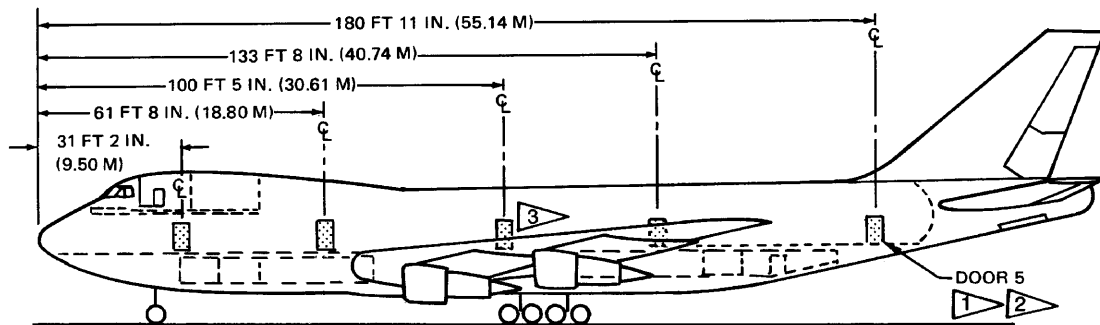
CONTAINER DATA:

SIZE: 38 IN. (0.97M) WIDE, 125 IN. (3.2M)
 LONG, 64 IN. (1.6M) HIGH
 INTERNAL VOLUME: 162 CU FT (4.6 CU M)
 CONTAINER WEIGHT: 380 LB (172 KG)
 WEIGHT LIMITATION: 1,753 LB (795 KG)
 PAYLOAD: 1,373 LB (622 KG)

MAIN DECK CONTAINERS IN LOWER CARGO COMPARTMENTS

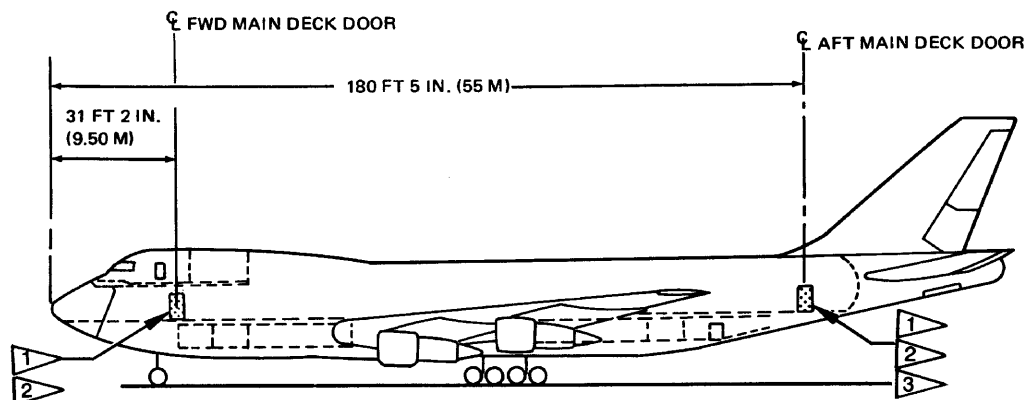
AIRPLANE MODEL	CARGO COMPARTMENT	NUMBER OF CONTAINERS	MAX VOLUME CU FT (CU M)	MAX PAYLOAD LB (KG)
747-100B, -200, -300	FWD	12	1,944 (55)	16,476 (7,472)
	AFT	11	1,782 (51)	15,103 (6,849)
747SP	FWD	7	1,134 (32)	9,611 (4,359)
	AFT	7	1,134 (32)	9,611 (4,359)

2.6.4 LOWER CARGO COMPARTMENTS — OPTIONAL MAIN DECK CONTAINERS
 MODEL 747



- NOTES: **1** 10 PASSENGER DOORS — 5 EACH SIDE
 DOOR OPENING SIZE = 42 BY 76 IN. (1.07 BY 1.93 M)
 OVERALL DOOR SIZE = 47 BY 76 IN. (1.19 BY 1.93 M).
- 2** SEE SEC. 2.3 FOR DOOR SILL HEIGHTS.
- 3** CERTAIN MODELS HAVE NO. 3 DOORS DEACTIVATED.

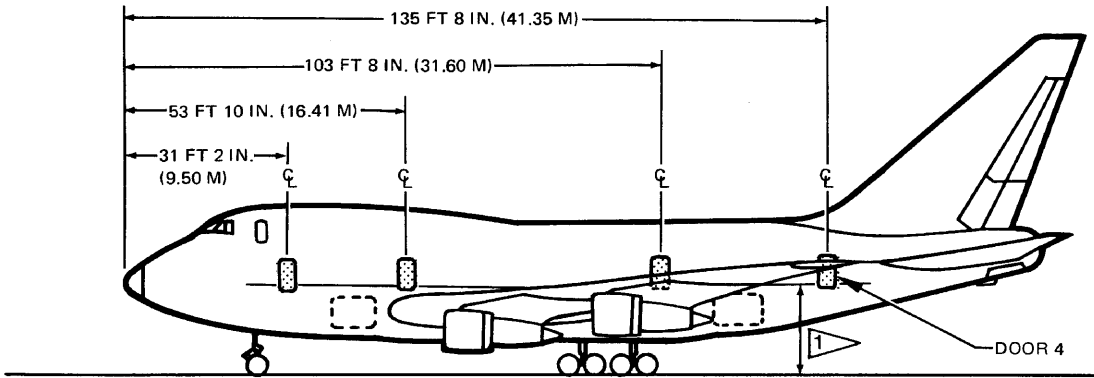
MODELS 747-100B, -200B, -200C, -300



- NOTES: **1** LH SIDE ONLY
- 2** DOOR OPENING SIZE—42 BY 76 IN. (1.07 BY 1.93 M)
 OVERALL DOOR SIZE—47 BY 76 IN. (1.19 BY 1.93 M)
- 3** SEE SEC 2.3 FOR DOOR SILL HEIGHTS.

MODEL 747-200F

2.7.1 DOOR CLEARANCES — MAIN ENTRY DOOR LOCATIONS
 MODELS 747-100B, -200, -300

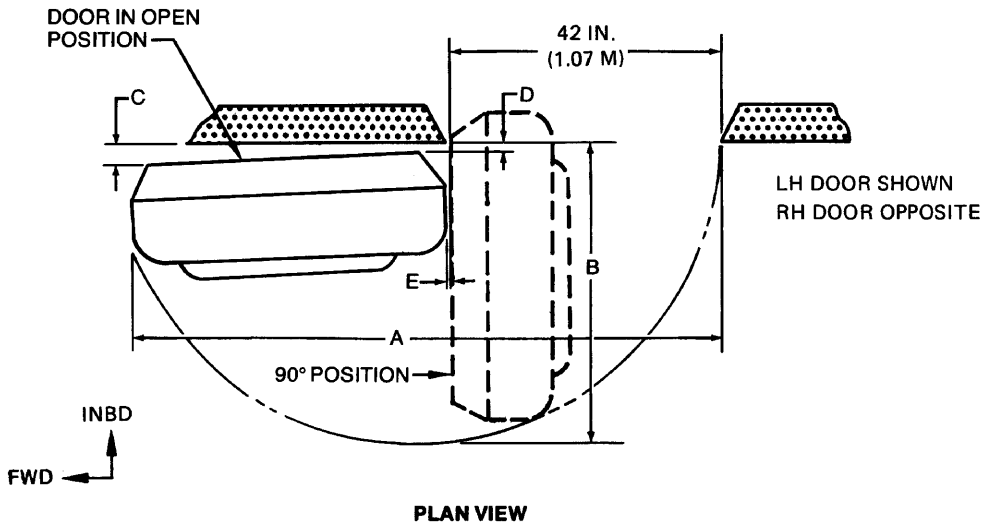





8 PASSENGER DOORS—4 EACH SIDE




DOOR OPENING SIZE = 42 BY 76 IN. (1.07 BY 1.93 M)
 OVERALL DOOR SIZE = 47 BY 76 IN. (1.19 BY 1.93 M)

1 SEE SEC 2.3 FOR DOOR SILL HEIGHTS

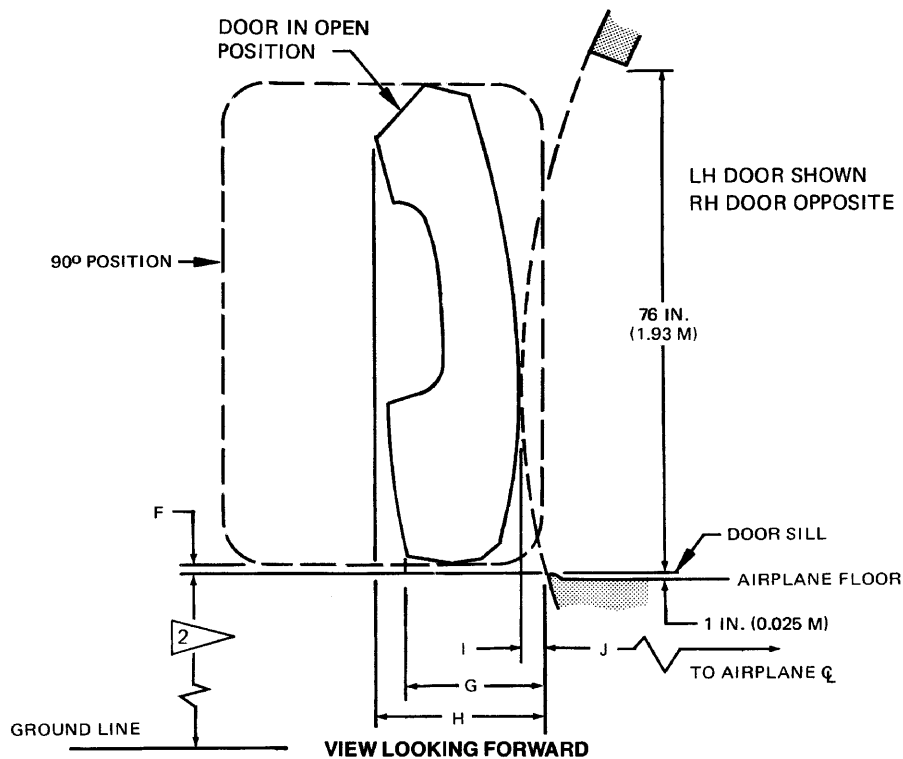
2.7.2 DOOR CLEARANCES — MAIN ENTRY DOOR LOCATIONS
MODEL 747SP



	DOOR NUMBER			
EXCEPT 747SP AND -200F	1	2	3 	4
747SP	1	2	—	3 & 4
747-200F	1 	—	—	—
A	7 FT 6 IN.	7 FT 6 IN.	7 FT 6 IN.	7 FT 6 IN.
	2.28 M	2.28 M	2.28 M	2.28 M
B 	3 FT 9 IN.	3 FT 10 IN.	3 FT 10 IN.	3 FT 10 IN.
	1.1 M	1.2 M	1.2 M	1.2 M
C	4 IN.	3 IN.	3 IN.	3 IN.
	0.10 M	0.075 M	0.075 M	0.075 M
D	1 IN.	1 IN.	1 IN.	1 IN.
	0.025 M	0.025 M	0.025 M	0.025 M
E	1 IN.	1 IN.	1 IN.	1 IN.
	0.025 M	0.025 M	0.025 M	0.025 M

-  MEASURED AT DOOR OPENING CENTERLINE AT DOOR SILL LEVEL AT 90° FROM AIRPLANE CENTERLINE.
-  LH SIDE ONLY.
-  CERTAIN AIRPLANES HAVE NO. 3 DOORS DEACTIVATED.

2.7.3 DOOR CLEARANCES — MAIN ENTRY DOORS 1-4 (PLAN VIEW)
 MODEL 747



	DOOR NUMBER			
EXCEPT 747 SP AND -200F	1	2	3 ⁴	4
747SP	1	2	—	3 & 4
747-200F	1 ³	—	—	—
F	2 IN.	2 IN.	2 IN.	2 IN.
	0.05 M	0.05 M	0.05 M	0.05 M
G	1 FT 7 IN.	1 FT 10 IN.	1 FT 5 IN.	1 FT 10 IN.
	0.5 M	0.6 M	0.6 M	0.6 M
H	1 FT 11 IN.	2 FT	1 FT 9 IN.	2 FT
	0.6 M	0.6 M	0.5 M	0.6 M
I	1 IN.	3 IN.	0	3 IN.
	0.025 M	0.075 M	0	0.075 M
J	9 FT 6 IN.	10 FT 5 IN.	10 FT 8 IN.	10 FT 5 IN.
	2.9 M	3.18 M	3.25 M	3.18 M

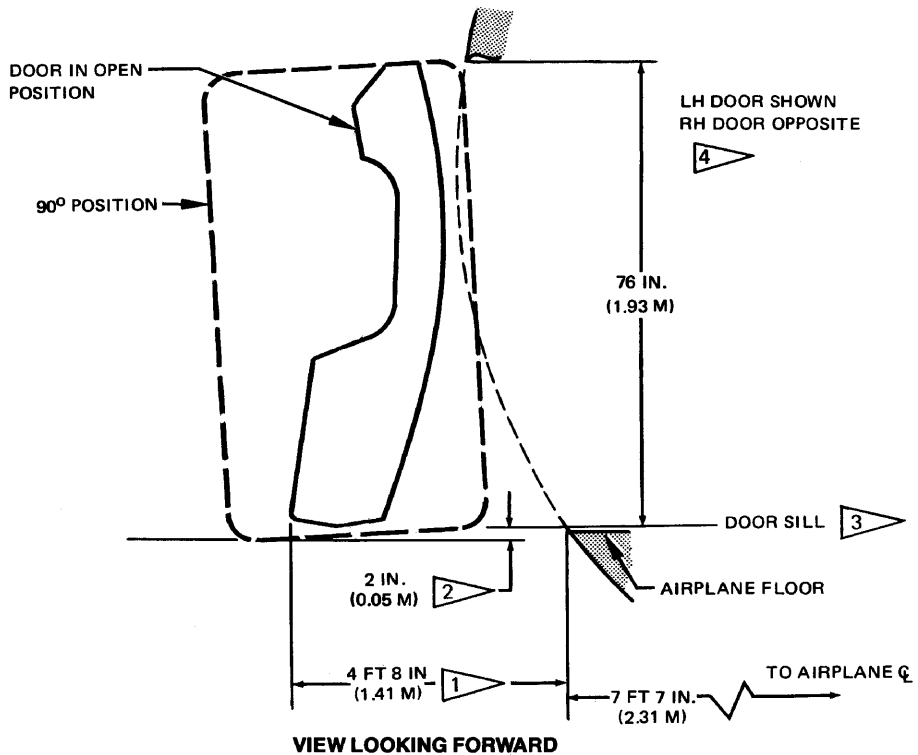
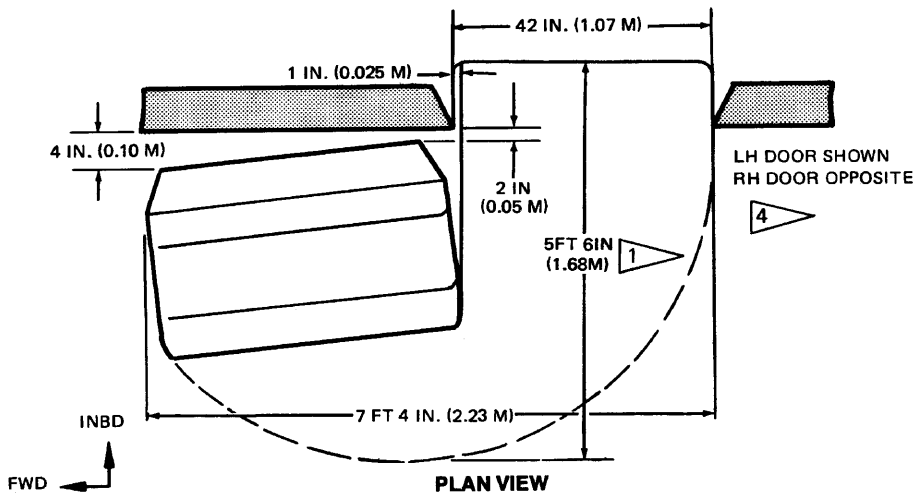
MEASURED AT DOOR OPENING CENTERLINE AT DOOR SILL LEVEL AT 90° FROM AIRPLANE CENTERLINE.

SEE SEC. 2.3 FOR DOOR SILL HEIGHTS.

LH SIDE ONLY.

CERTAIN AIRPLANES HAVE NO. 3 DOORS DEACTIVATED.

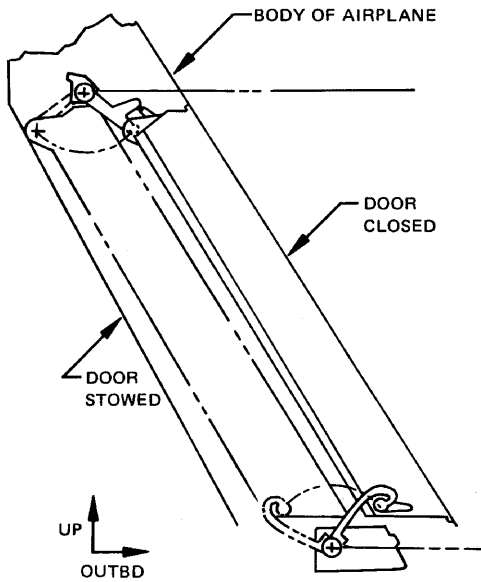
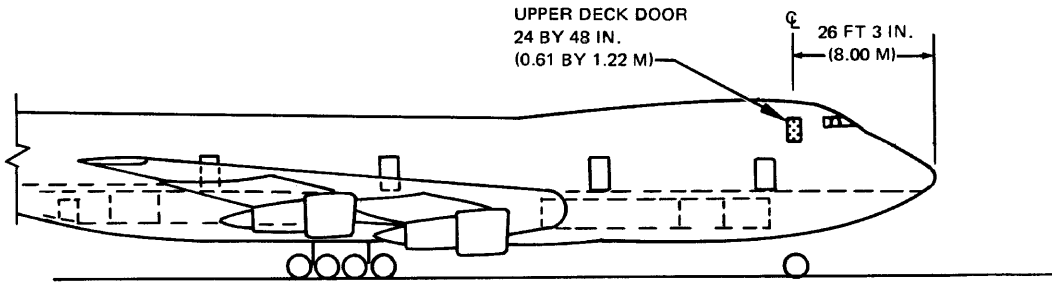
2.7.4 DOOR CLEARANCES — MAIN ENTRY DOORS 1-4 ENVELOPE (ELEVATION VIEW) MODEL 747



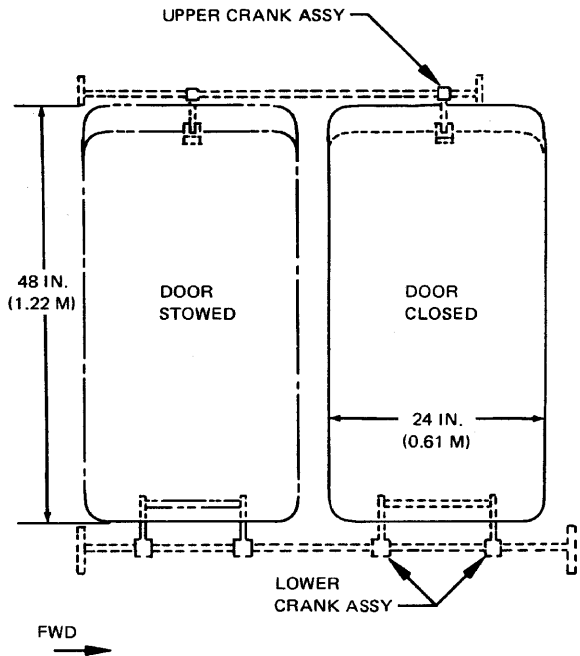
- 1 MEASURED AT DOOR OPENING CENTERLINE AT DOOR SILL LEVEL AT 90° FROM AIRPLANE CENTERLINE
- 2 DOOR HINGE IS INCLINED 3 DEG FROM VERTICAL.
- 3 SEE SEC. 2.3 FOR DOOR SILL HEIGHTS.
- 4 LH DOOR ONLY ON 747-200F.

2.7.5 DOOR CLEARANCES — MAIN ENTRY DOOR NUMBER 5
 MODELS 747-100B, -200, -300

NOTE: RH DOOR SHOWN, LH DOOR OPPOSITE

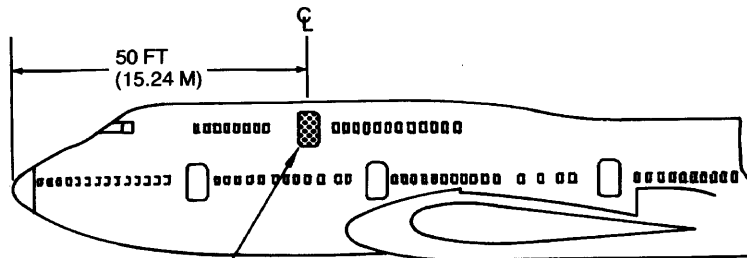


VIEW LOOKING FORWARD

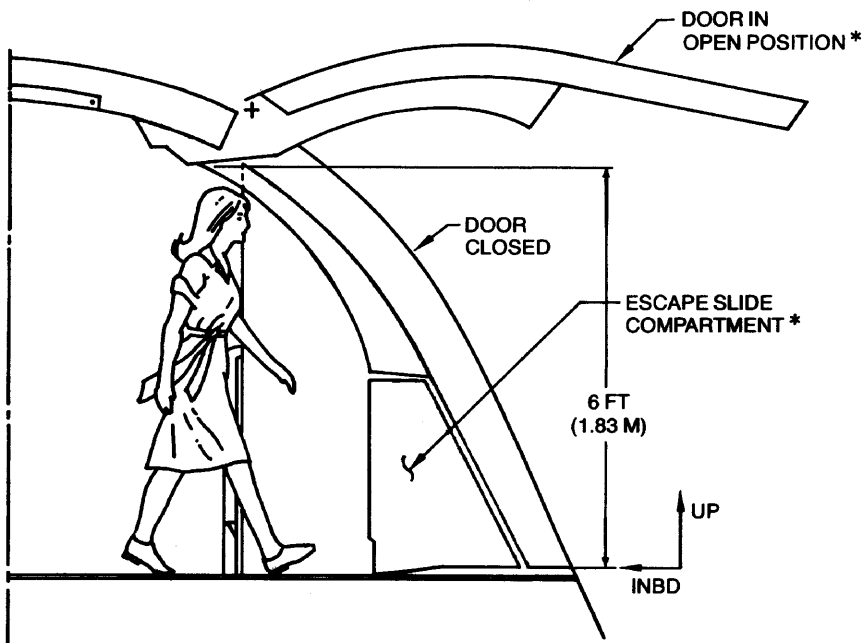


RH SIDE VIEW
(SEE NOTE ABOVE)

2.7.6 DOOR CLEARANCES — UPPER DECK EXIT DOOR MODELS 747-100B, -200, SP

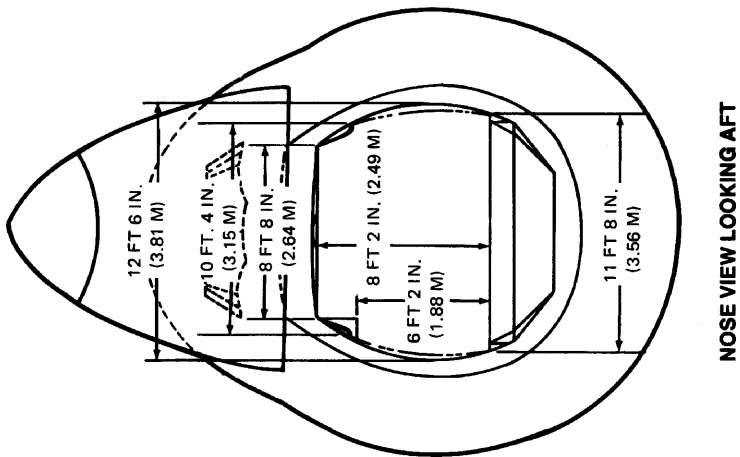
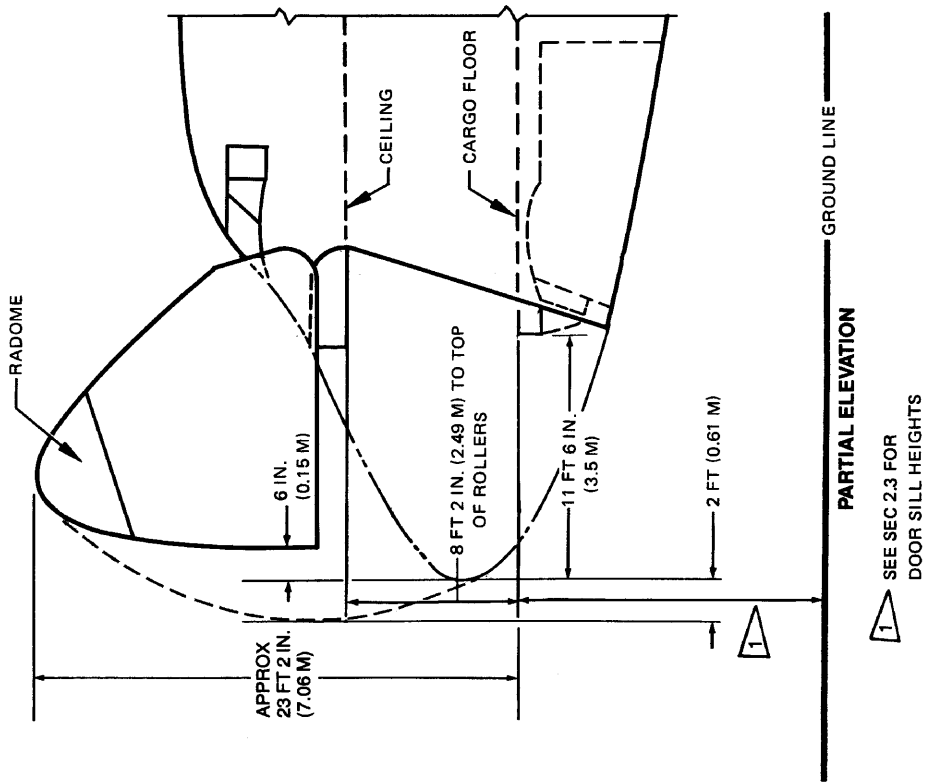


UPPER DECK DOOR
 CLEAR RECTANGULAR
 OPENING
 42 BY 72 IN (1.07 BY 1.83 M)
 LH SHOWN, RH SIMILAR

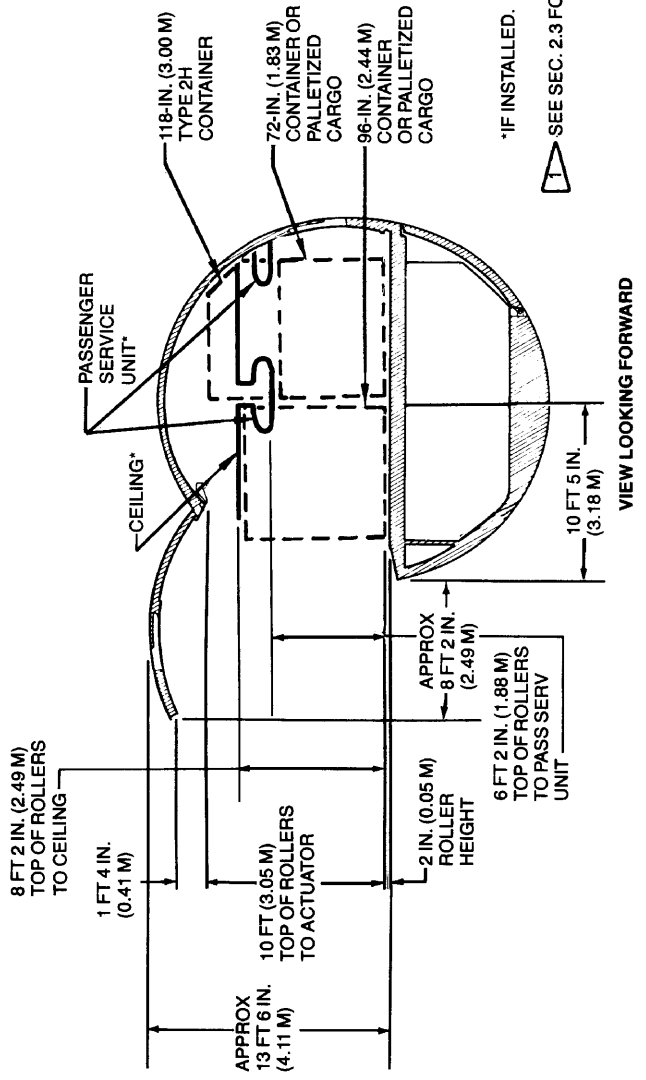
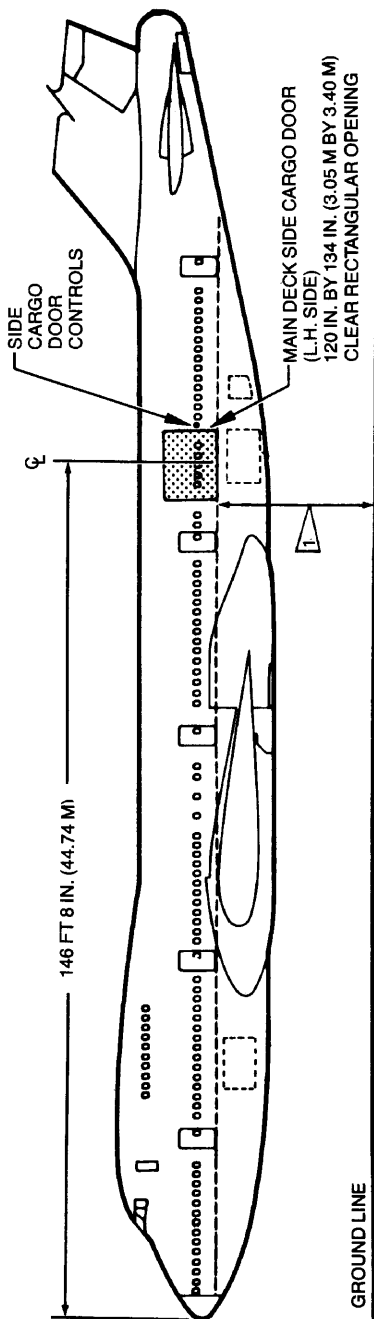


NOTE:
 * ESCAPE SLIDE IS AUTOMATICALLY DEPLOYED WHEN DOOR
 IS OPENED.

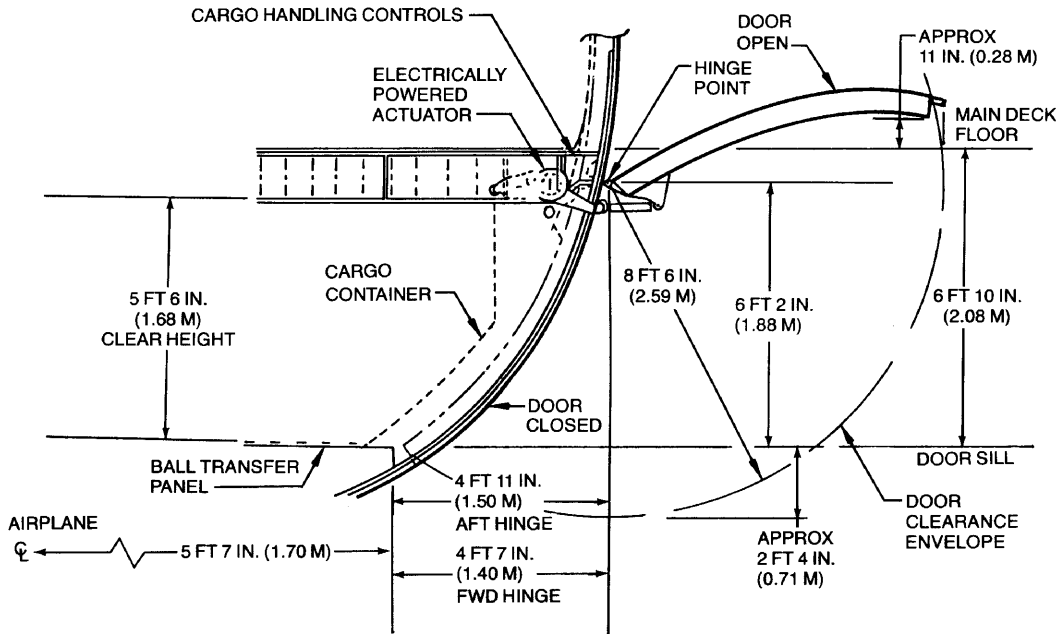
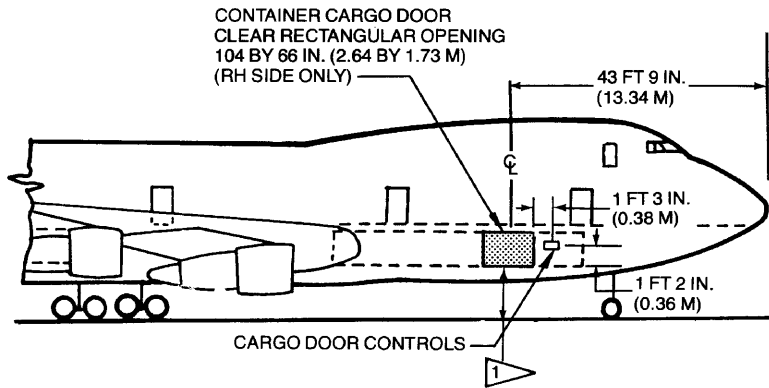
**2.7.7 DOOR CLEARANCES — UPPER DECK EMERGENCY EXIT DOOR
 MODEL 747-300**



**2.7.8 DOOR CLEARANCES — NOSE CARGO DOOR
MODELS 747-200C, -200F**



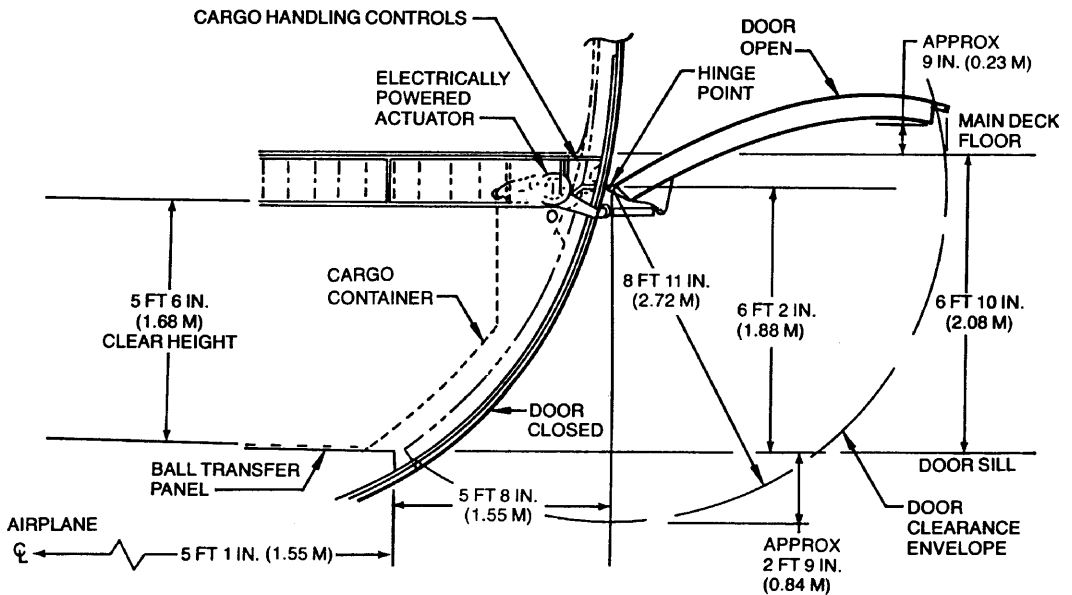
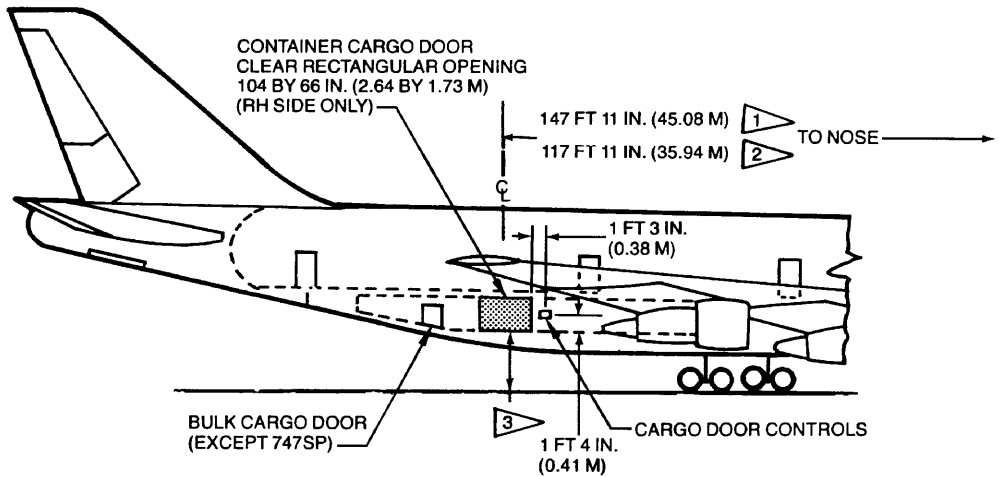
2.7.9 DOOR CLEARANCES — OPTIONAL MAIN DECK CARGO DOOR
MODELS 747-100SF, -200B COMBI, -200C, -200F, -300 COMBI



CONTAINER CARGO DOOR—VIEW LOOKING FORWARD

1 SEE SEC. 2.3 FOR DOOR SILL HEIGHTS.

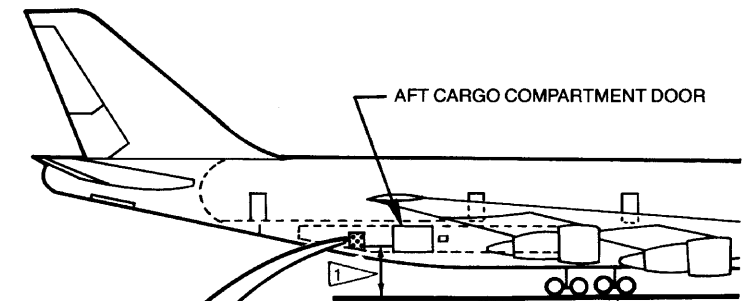
**2.7.10 DOOR CLEARANCES — LOWER FORWARD CARGO COMPARTMENT
MODEL 747**



CONTAINER CARGO DOOR—VIEW LOOKING FORWARD

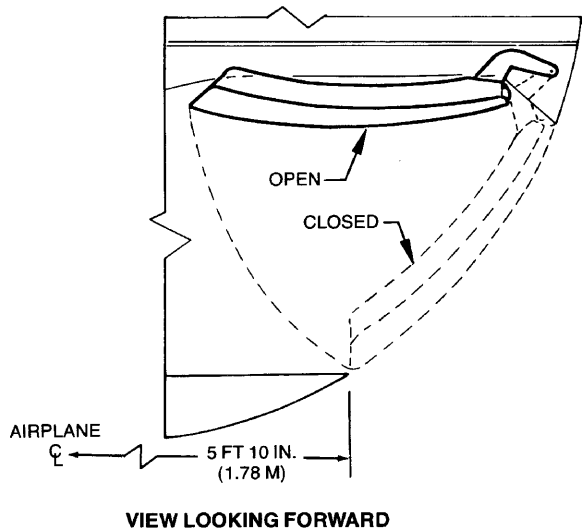
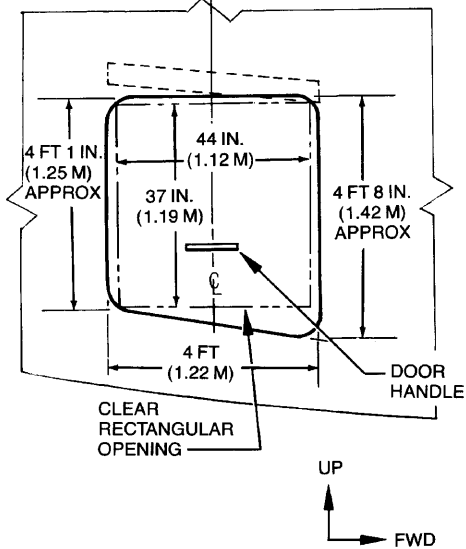
- 1 747-100B, -200, -300
- 2 747 SP
- 3 SEE SEC. 2.3 FOR DOOR SILL HEIGHTS.

**2.7.11 DOOR CLEARANCES — LOWER AFT CARGO COMPARTMENT
MODEL 747**



1 SEE SEC. 2.3 FOR DOOR SILL HEIGHTS

159 FT 9 IN. (48.69 M) TO NOSE



2.7.12 DOOR CLEARANCES — BULK CARGO COMPARTMENT
 MODELS 747-100B, -200, -300