

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 run-up 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 Pay load. Maximum design zero fuel weight minus operational empty weight.

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

Maximum Cargo Volume. The maximum space available for cargo.

Usable Fuel. Fuel available for aircraft propulsion.

CHARACTERISTICS	UNITS	757-200				
MAX DESIGN TAXI WEIGHT	POUNDS	221,000	231,000	241,000	251,000	256,000
	KILOGRAMS	100,250	104,800	109,300	113,850	116,100
MAX DESIGN TAKEOFF WEIGHT	POUNDS	220,000	230,00	240,000	250,000	255,000(1)
	KILOGRAMS	99,800	104,350	108,850	113,400	115,650(1)
MAX DESIGN LANDING WEIGHT	POUNDS	198,000	198,000	198,000	198,000	210,000
	KILOGRAMS	89,800	89,800	89,800	89,800	95,250
MAX DESIGN ZERO FUEL WEIGHT	POUNDS	184,000	184,000	184,000	184,000	188,000
	KILOGRAMS	83,450	83,450	83,450	83,450	85,300
SPEC OPERATING EMPTY WEIGHT	POUNDS	134,090	125,110	132,280	136,940	136,940
	KILOGRAMS	60,800	56,750	60,000	62,100	62,100
MAX STRUCTURAL PAYLOAD	POUNDS	49,910	58,890	51,720	47,060	47,060
	KILOGRAMS	22,650	26,700	23,450	21,350	21,350
SEATING CAPACITY	TWO-CLASS	186 - 16 FIRST + 170 ECONOMY				
	ONE-CLASS	FAA EXIT LIMIT: 224 (2), 239(3)				
MAX CARGO - LOWER DECK (4)	CUBIC FEET	1,790	1,790	1,790	1,790	1,790
	CUBIC METERS	51	51	51	51	51
USABLE FUEL	US GALLONS	11276	11276	11276	11276	11276
	LITERS	42,680	42,680	42,680	42,680	42,680
	POUNDS	75,550	75,550	75,550	75,550	75,550
	KILOGRAMS	34,260	34,260	34,260	34,260	34,260

NOTES: WEIGHTS SHOWN ARE FOR TYPICAL AS-DELIVERED OR AS-OFFERRED CONFIGURATIONS.

CONSULT WITH AIRLINE FOR ACTUAL WEIGHTS.

(1) 255,500 LB (115,900 KG) FOR AIRPORT ALTITUDES BELOW 1,500 FT.

(2) OVERWING-EXIT CONFIGURATION AIRPLANE.

(3) FOUR-DOOR CONFIGURATION AIRPLANE.

(4) VOLUME IS REDUCED BY 100 CU FT (3 CU M) WITH TELESCOPING BAGGAGE SYSTEM.

2.1.1 GENERAL CHARACTERISTICS

MODEL 757-200 (RB211-535C, -535E4, -535E4B ENGINES)

CHARACTERISTICS	UNITS	757-200				
MAX DESIGN TAXI WEIGHT	POUNDS	221,000	231,000	241,000	251,000	256,000
	KILOGRAMS	100,250	104,800	109,300	113,850	116,100
MAX DESIGN TAKEOFF WEIGHT	POUNDS	220,000	230,00	240,000	250,000	255,000(1)
	KILOGRAMS	99,800	104,350	108,850	113,400	115,650(1)
MAX DESIGN LANDING WEIGHT	POUNDS	198,000	198,000	198,000	198,000	210,000
	KILOGRAMS	89,800	89,800	89,800	89,800	95,250
MAX DESIGN ZERO FUEL WEIGHT	POUNDS	184,000	184,000	184,000	184,000	188,000
	KILOGRAMS	83,450	83,450	83,450	83,450	85,300
SPEC OPERATING EMPTY WEIGHT	POUNDS	128,380	130,850	130,860	130,875	130,875
	KILOGRAMS	58,250	59,350	59,350	59,350	59,350
MAX STRUCTURAL PAYLOAD	POUNDS	55,620	53,140	53,140	53,125	53,125
	KILOGRAMS	25,250	24,100	24,100	24,100	25,000
SEATING CAPACITY	TWO-CLASS	186 - 16 FIRST + 170 ECONOMY				
	ONE-CLASS	FAA EXIT LIMIT: 224 (2), 239(3)				
MAX CARGO - LOWER DECK (4)	CUBIC FEET	1,790	1,790	1,790	1,790	1,790
	CUBIC METERS	51	51	51	51	51
USABLE FUEL	US GALLONS	11276	11276	11276	11276	11276
	LITERS	42,680	42,680	42,680	42,680	42,680
	POUNDS	75,550	75,550	75,550	75,550	75,550
	KILOGRAMS	34,260	34,260	34,260	34,260	34,260

NOTES: WEIGHTS SHOWN ARE FOR TYPICAL AS-DELIVERED OR AS-OFFERED CONFIGURATIONS.

CONSULT WITH AIRLINE FOR ACTUAL WEIGHTS.

(1) 255,500 LB (115,900 KG) FOR AIRPORT ALTITUDES BELOW 1,500 FT.

(2) OVERWING-EXIT CONFIGURATION AIRPLANE.

(3) FOUR-DOOR CONFIGURATION AIRPLANE.

(4) VOLUME IS REDUCED BY 100 CU FT (3 CU M) WITH TELESCOPING BAGGAGE SYSTEM.

2.1.2 GENERAL CHARACTERISTICS

MODEL 757-200 (PW2037, PW2040 ENGINES)

D6-58327

CHARACTERISTICS	UNITS	757-200PF	
MAX DESIGN TAXI WEIGHT	POUNDS	251,000	256,000
	KILOGRAMS	113,850	116,100
MAX DESIGN TAKEOFF WEIGHT	POUNDS	250,000	255,000(1)
	KILOGRAMS	113,400	116,650(1)
MAX DESIGN LANDING WEIGHT	POUNDS	210,000	210,000
	KILOGRAMS	92,250	92,250
MAX DESIGN ZERO FUEL WEIGHT	POUNDS	200,000	200,000
	KILOGRAMS	90,700	90,700
SPEC OPERATING EMPTY WEIGHT	POUNDS	114,000	114,000
	KILOGRAMS	51,700	51,700
MAX STRUCTURAL PAYLOAD	POUNDS	86,000	86,000
	KILOGRAMS	39,000	39,000
MAX CARGO	CUBIC FEET	1,830	1,830
- LOWER DECK (2)	CUBIC METERS	52	52
MAX CARGO - MAIN DECK (3)	CUBIC FEET	6,600	6,600
	CUBIC METERS	187	187
USABLE FUEL	US GALLONS	11,276	11,276
	LITERS	42,680	42,680
	POUNDS	75,550	75,550
	KILOGRAMS	34,260	34,260

NOTES: WEIGHTS SHOWN ARE FOR TYPICAL AS-DELIVERED OR AS-OFFERED CONFIGURATIONS.
CONSULT WITH AIRLINE FOR ACTUAL WEIGHTS.

- (1) 255,500 LB (115,900 KG) FOR AIRPORT ALTITUDES BELOW 1,500 FEET.
- (2) VOLUME IS REDUCED BY 100 CU FT (3 CU M) WITH TELESCOPING BAGGAGE SYSTEM.
- (3) 15 UNIT LOAD DEVICES (ULD) AT 440 CU FT (12.36 CU M) EACH.

2.1.3 GENERAL CHARACTERISTICS

MODEL 757-200PF

CHARACTERISTICS	UNITS	PW2040, PW 2043 ENGINES	RB211-535E4, -535E4B ENGINES
MAX DESIGN TAXI WEIGHT	POUNDS	271,000	271,000
	KILOGRAMS	122,930	122,930
MAX DESIGN TAKEOFF WEIGHT	POUNDS	270,000	270,000
	KILOGRAMS	122,470	122,470
MAX DESIGN LANDING WEIGHT	POUNDS	224,000	224,000
	KILOGRAMS	101,610	101,610
MAX DESIGN ZERO FUEL WEIGHT	POUNDS	210,000	210,000
	KILOGRAMS	95,260	95,260
SPEC OPERATING EMPTY WEIGHT (1)	POUNDS	141,800	142,350
	KILOGRAMS	64,330	64,580
MAX STRUCTURAL PAYLOAD	POUNDS	68,200	67,650
	KILOGRAMS	30,940	30,690
SEATING CAPACITY (1)	TWO-CLASS	243 - 12 FIRST + 231 ECONOMY	
	ONE-CLASS	279 ALL-ECONOMY	
MAX CARGO - LOWER DECK	CUBIC FEET	2,382 (2)	2,382 (2)
	CUBIC METERS	67.5 (2)	67.5 (2)
USABLE FUEL	US GALLONS	11,490	11,490
	LITERS	43,495	43,495
	POUNDS	76,980	79,980
	KILOGRAMS	34,930	34,930

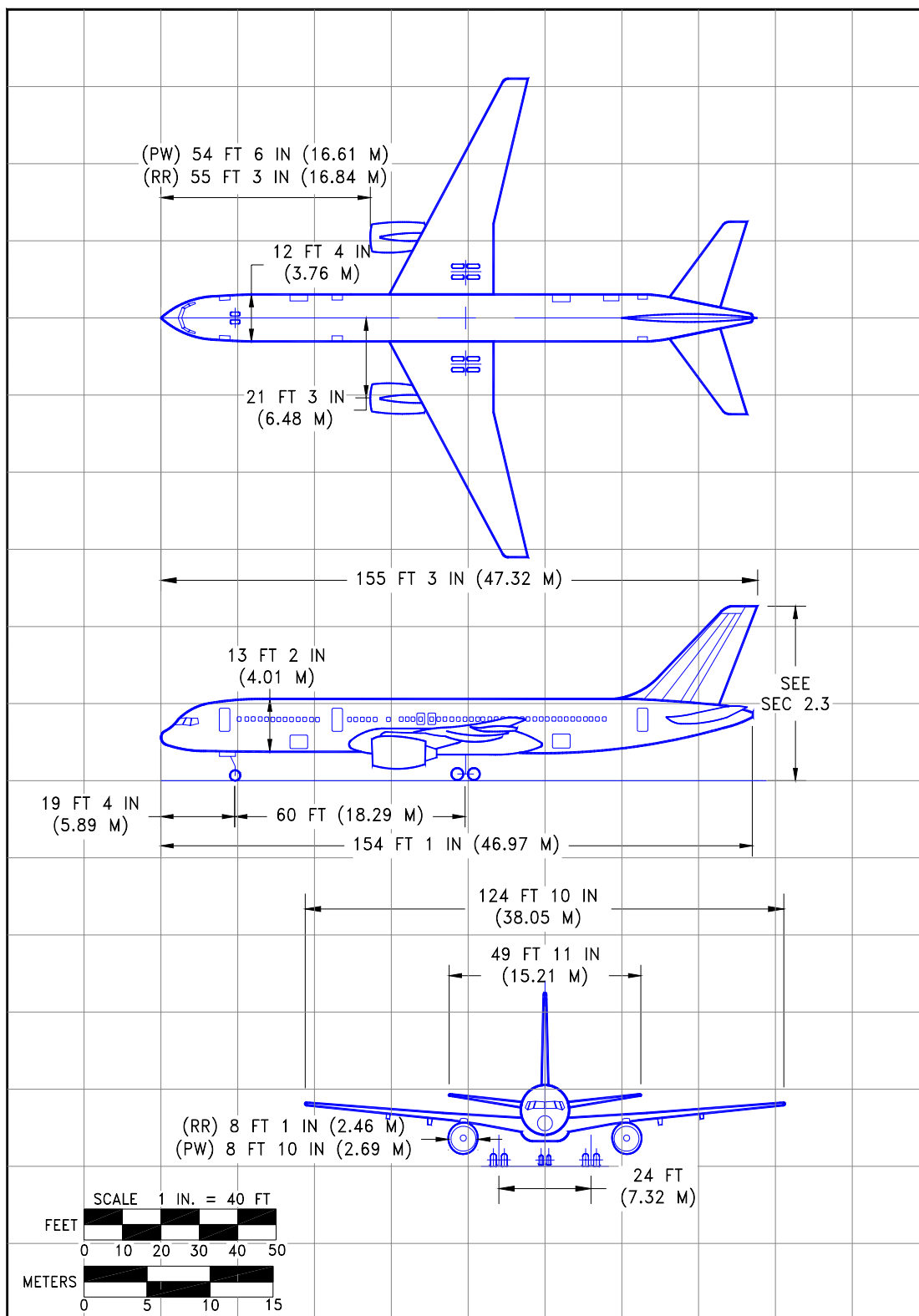
NOTES: (1) SPEC WEIGHT FOR BASELINE CONFIGURATION OF 243 PASSENGERS.
CONSULT WITH AIRLINE FOR SPECIFIC WEIGHTS AND CONFIGURATIONS.

(2) FWD CARGO = 1,070 CU FT (30.3 CU M).
AFT CARGO = 1,312 CU FT (37.2 CU M).

2.1.4 GENERAL CHARACTERISTICS

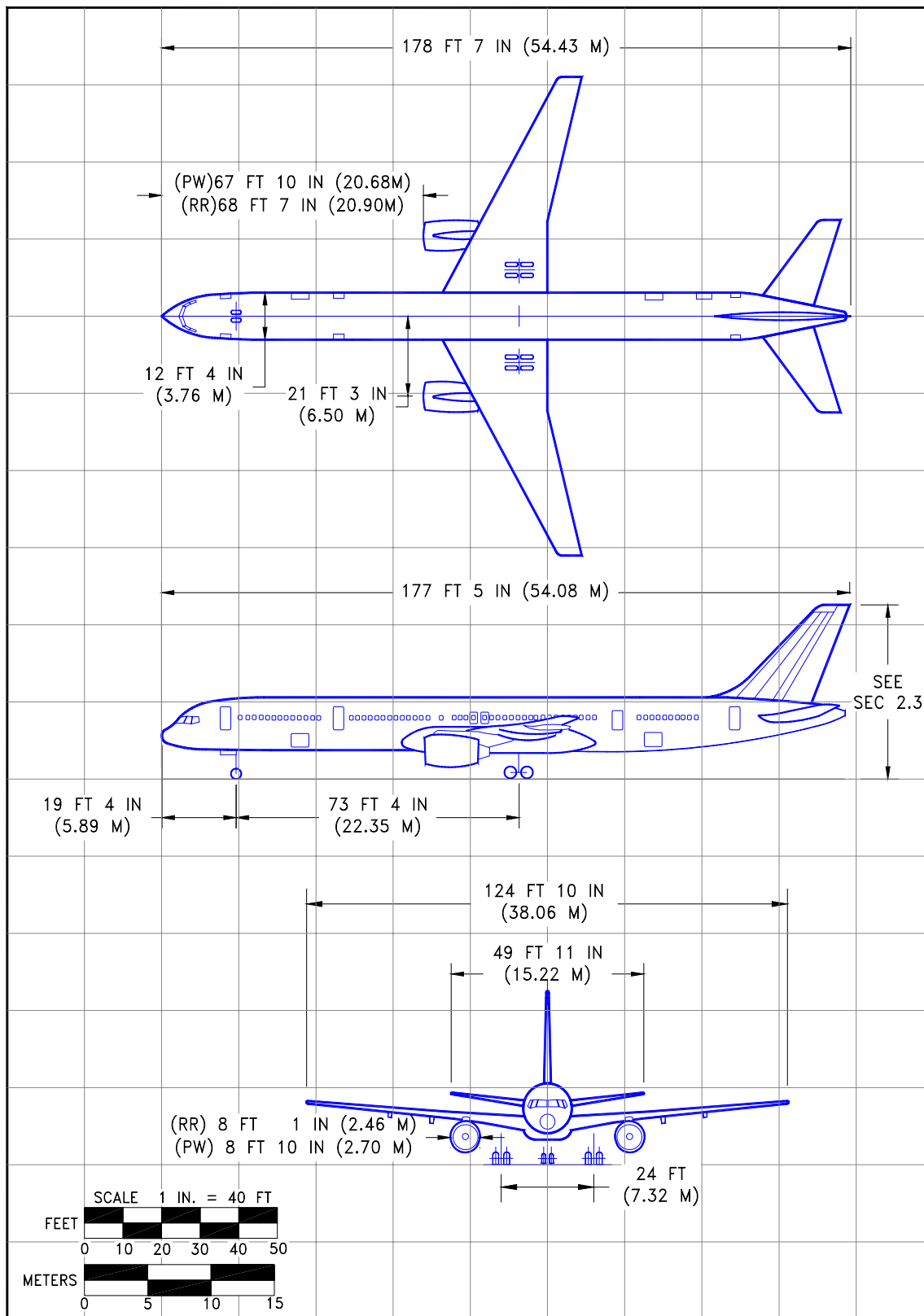
MODEL 757-300

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2.2.1 GENERAL DIMENSIONS

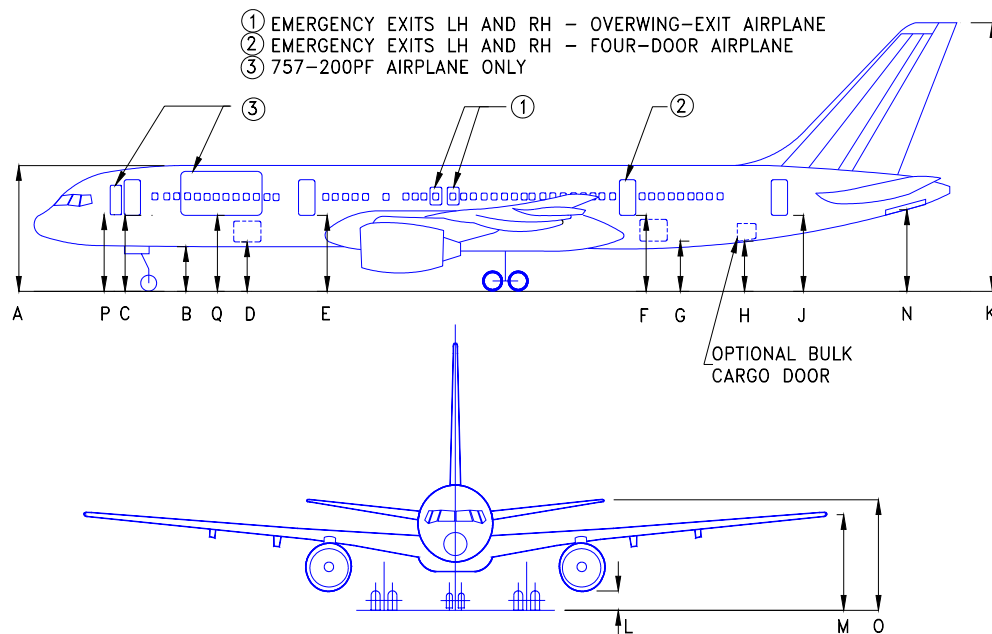
MODEL 757-200, -200PF



2.2.2 GENERAL DIMENSIONS

MODEL 757-300

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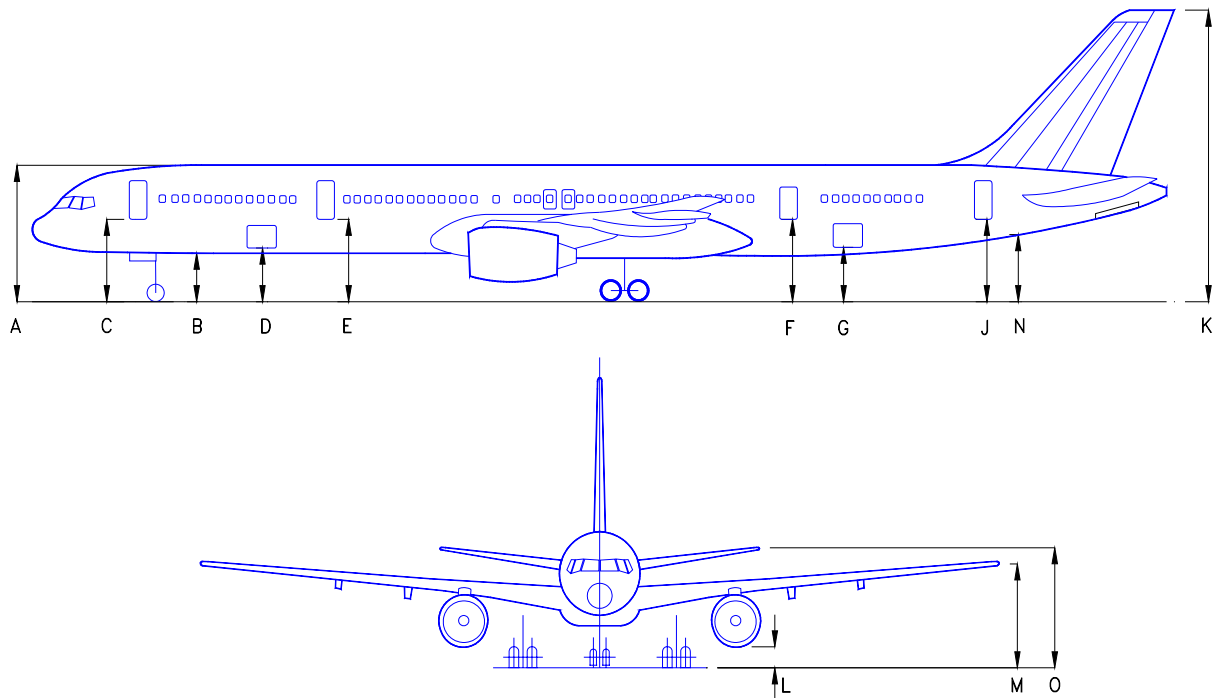
	MINIMUM*		MAXIMUM*		MODEL APPLICABILITY
	FEET - INCHES	METERS	FEET - INCHES	METERS	
A	20 - 6	6.25	21 - 2	6.45	-200, -200PF
B	7 - 4	2.24	8 - 0	2.44	-200, -200PF
C	12 - 5	3.79	13 - 2	4.01	-200
D	8 - 1	2.46	8 - 9	2.67	-200, -200PF
E	12 - 7	3.84	13 - 2	4.01	-200
F	12 - 9	3.89	13 - 3	4.04	-200
G	7 - 9	2.36	8 - 3	2.51	-200, -200PF
H	8 - 6	2.59	9 - 1	2.77	-200
J	12 - 9	3.89	13 - 7	4.14	-200
K	44 - 3	13.49	45 - 1	13.74	-200, -200PF
L	2 - 5	0.74	2 - 10	0.86	-200, -200PF
M	15 - 4	4.67	16 - 1	4.90	-200, -200PF
N	12 - 5	3.78	13 - 3	4.04	-200, -200PF
O	18 - 7	5.66	19 - 8	5.99	-200, -200PF
P	12 - 5	3.79	13 - 2	4.01	-200PF
Q	12 - 6	3.81	13 - 2	4.01	-200PF

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

* NOMINAL DIMENSIONS

2.3.1 GROUND CLEARANCES

MODEL 757-200, 200PF



	MINIMUM*		MAXIMUM*	
	FEET - INCHES	METERS	FEET - INCHES	METERS
A	20 - 7	6.27	21 - 4	6.50
B	7 - 5	2.26	8 - 2	2.49
C	12 - 5	3.79	13 - 2	4.01
D	8 - 0	2.44	8 - 9	2.67
E	12 - 7	3.84	13 - 2	4.01
F	12 - 11	3.94	13 - 4	4.06
G	7 - 6	2.29	7 - 10	2.39
J	13 - 0	3.96	13 - 4	4.06
K	44 - 6	13.56	44 - 9	13.64
L (RB211)	3 - 0	0.91	3 - 7	1.09
L (PW2043)	2 - 8	0.81	3 - 3	0.99
M	16 - 1	4.90	16 - 6	5.03
N (TAIL SKID)	9 - 0	2.74	9 - 4	2.85
O	18 - 10	5.74	19 - 1	5.82

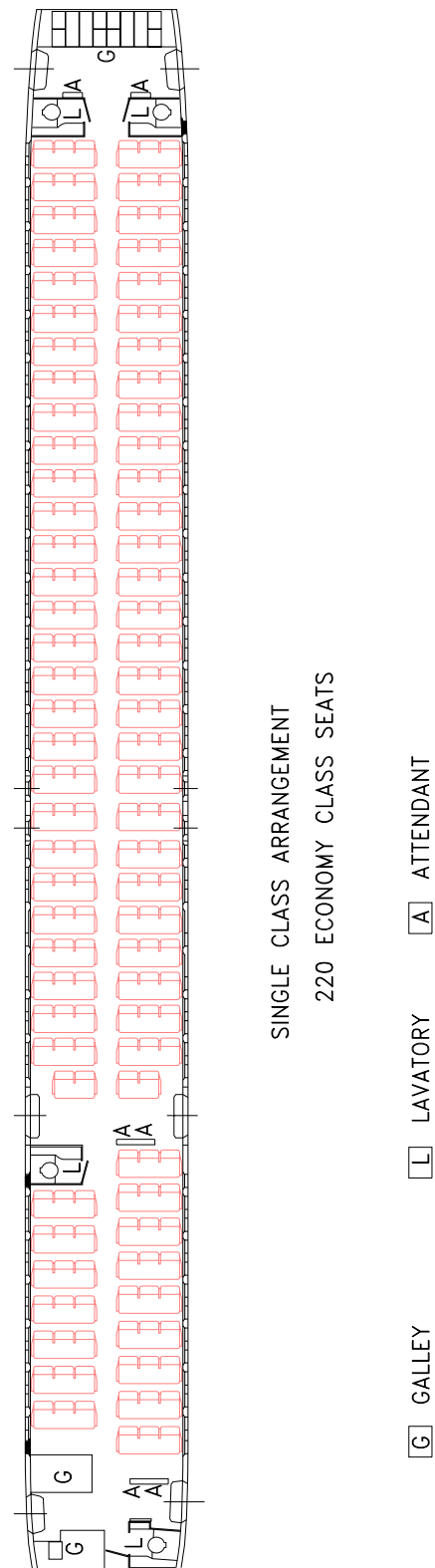
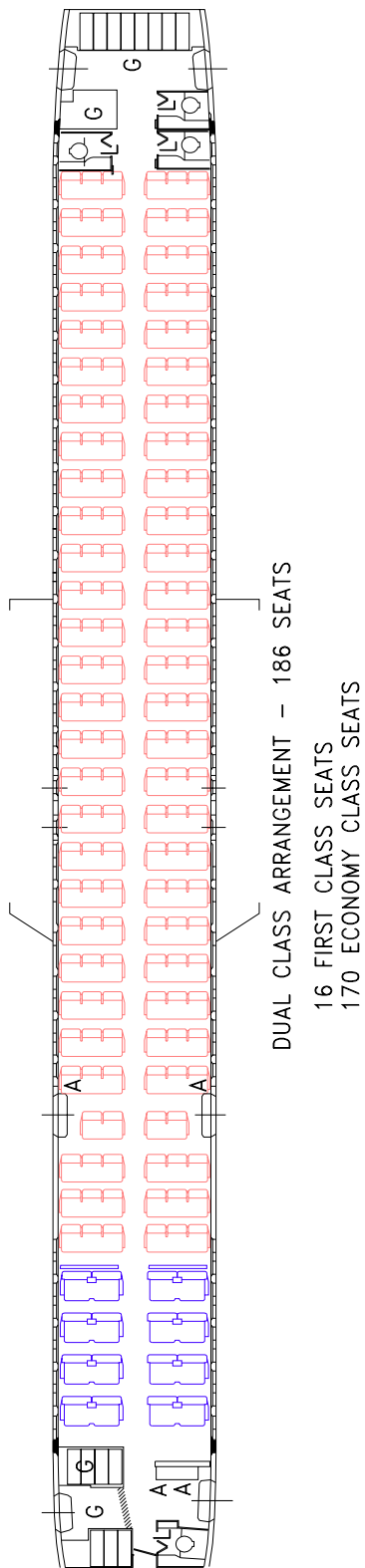
NOTES: VERTICAL CLEARANCES SHOWN OCCUR DURING MAXIMUM VARIATIONS OF AIRPLANE ATTITUDE. COMBINATIONS OF AIRPLANE LOADING AND UNLOADING ACTIVITIES THAT PRODUCE THE GREATEST POSSIBLE VARIATIONS IN ATTITUDE WERE USED TO ESTABLISH THE VARIATIONS SHOWN.

* NOMINAL DIMENSIONS

2.3.2 GROUND CLEARANCES

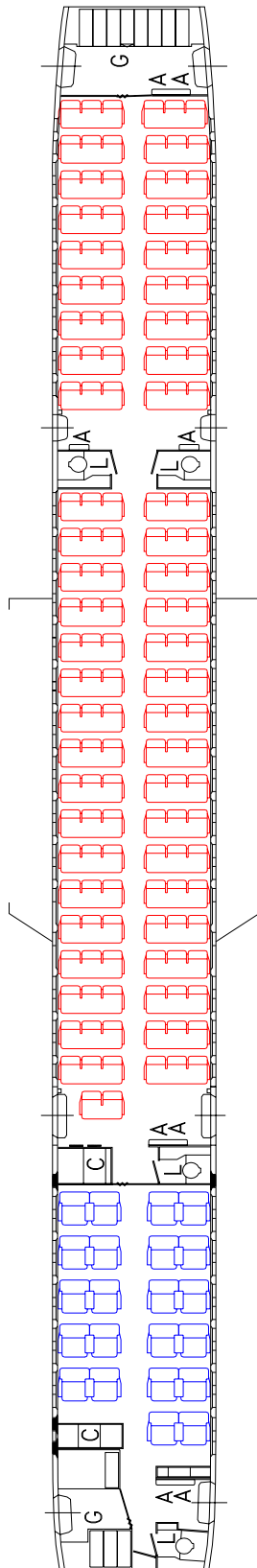
MODEL 757-300

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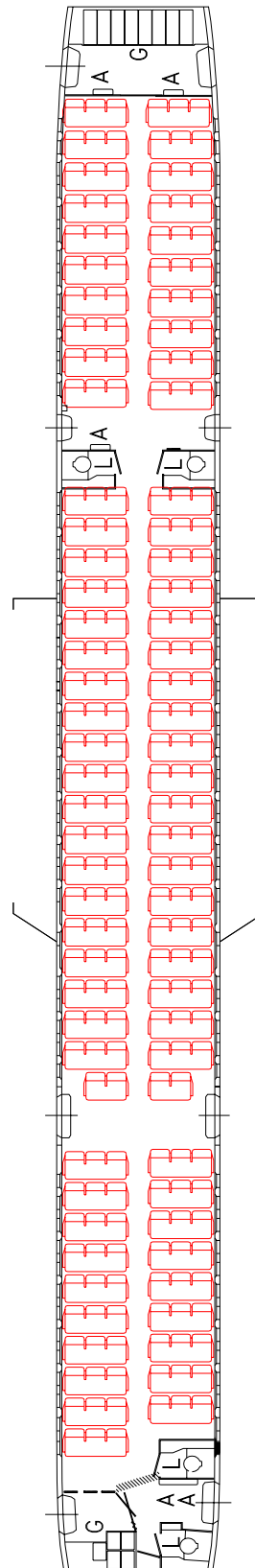


2.4.1 INTERIOR ARRANGEMENTS - OVERWING-EXIT AIRPLANE

MODEL 757-200



DUAL CLASS ARRANGEMENT – 180 SEATS
 22 FIRST CLASS SEATS
 158 ECONOMY CLASS SEATS



SINGLE CLASS ARRANGEMENT
 228 ECONOMY CLASS SEATS

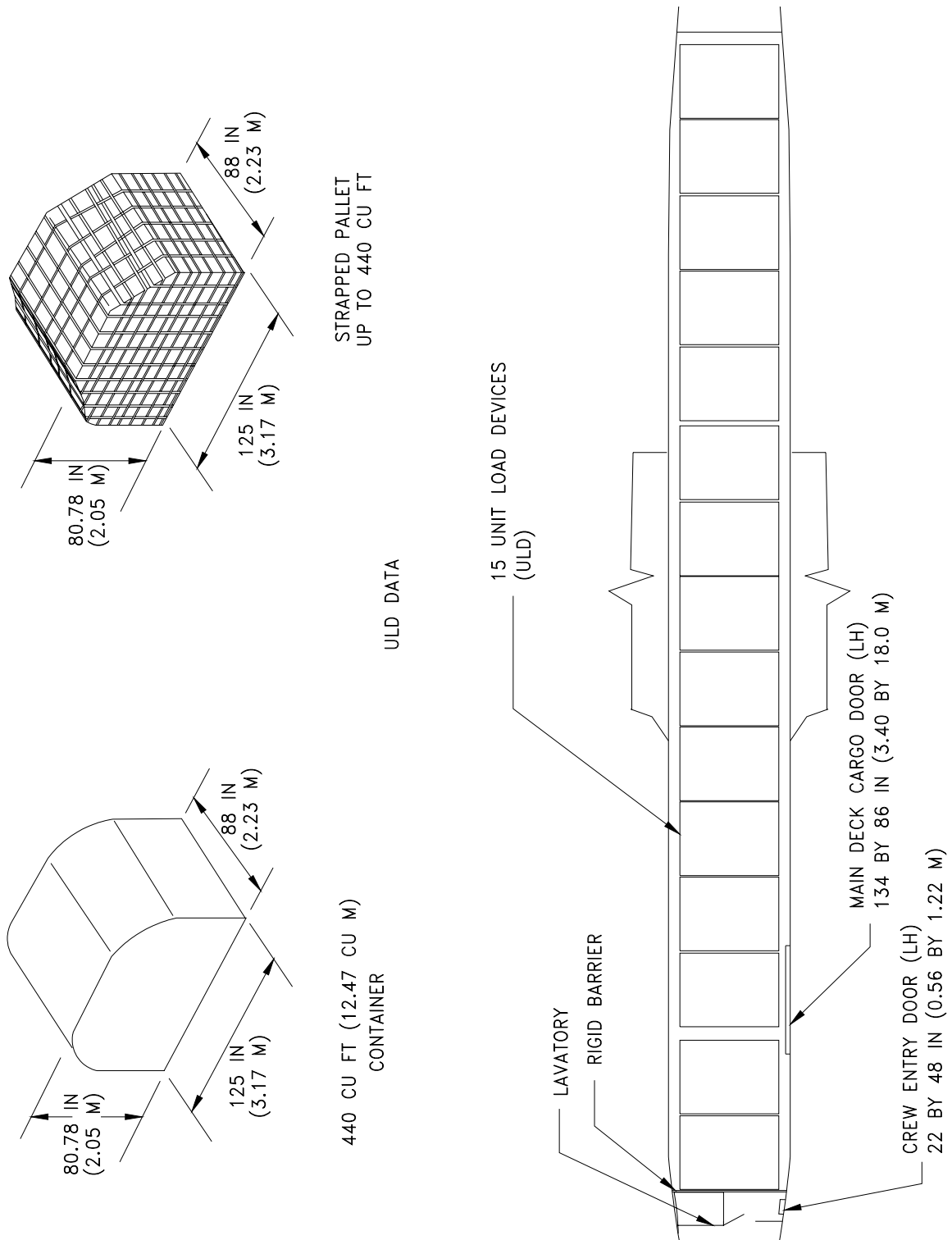
G GALLEY
 L LAVATORY
 A ATTENDANT
 C CLOSET

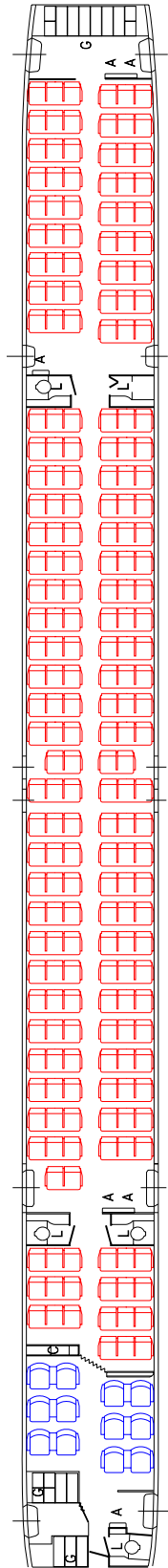
2.4.2 INTERIOR ARRANGEMENTS - FOUR-DOOR AIRPLANE

MODEL 757-200

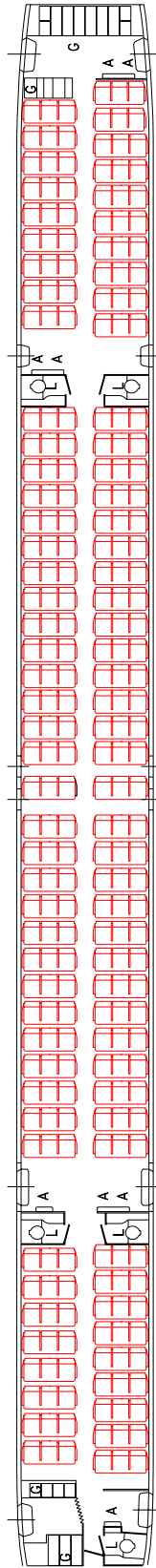
2.4.3 INTERIOR ARRANGEMENTS - MAIN DECK CARGO

MODEL 757-200PF





DUAL CLASS ARRANGEMENT – 243 SEATS
 12 FIRST CLASS SEATS
 231 ECONOMY CLASS SEATS

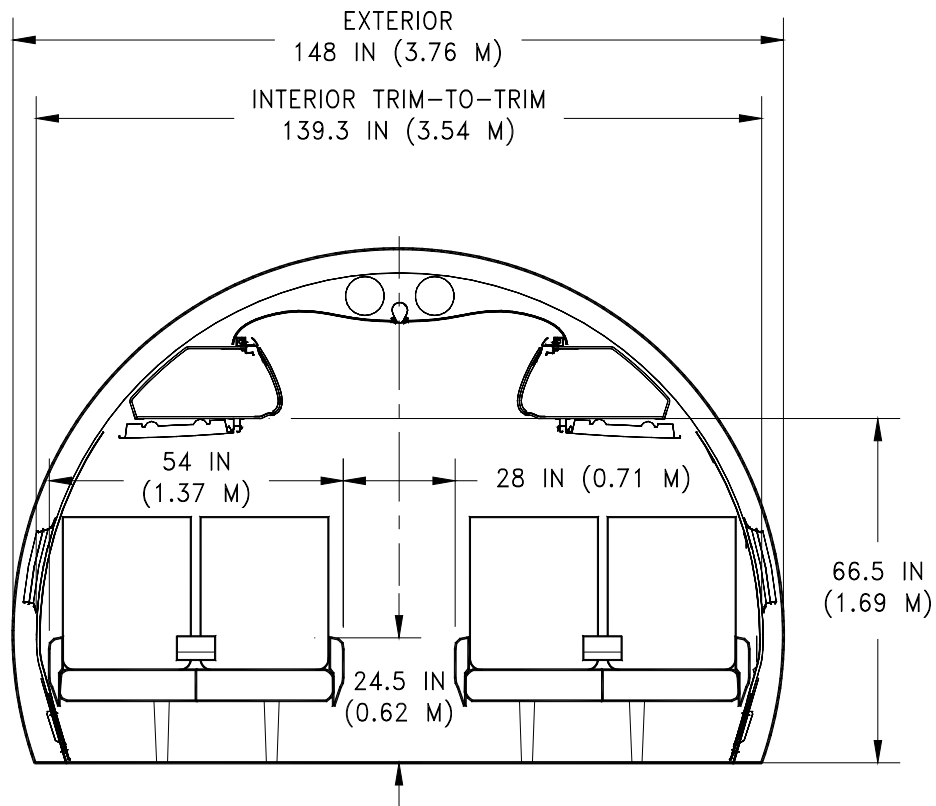


SINGLE CLASS ARRANGEMENT
 279 ECONOMY CLASS SEATS

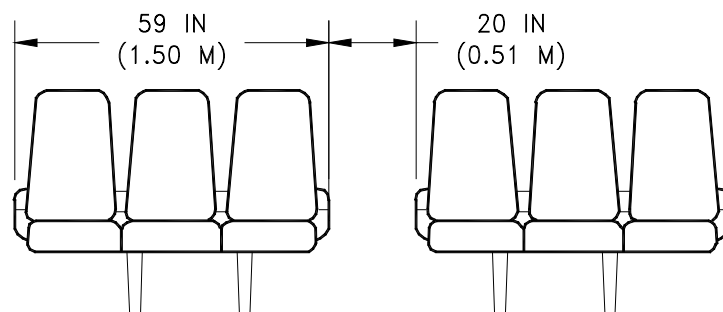
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2.4.4 INTERIOR ARRANGEMENTS

MODEL 757-300



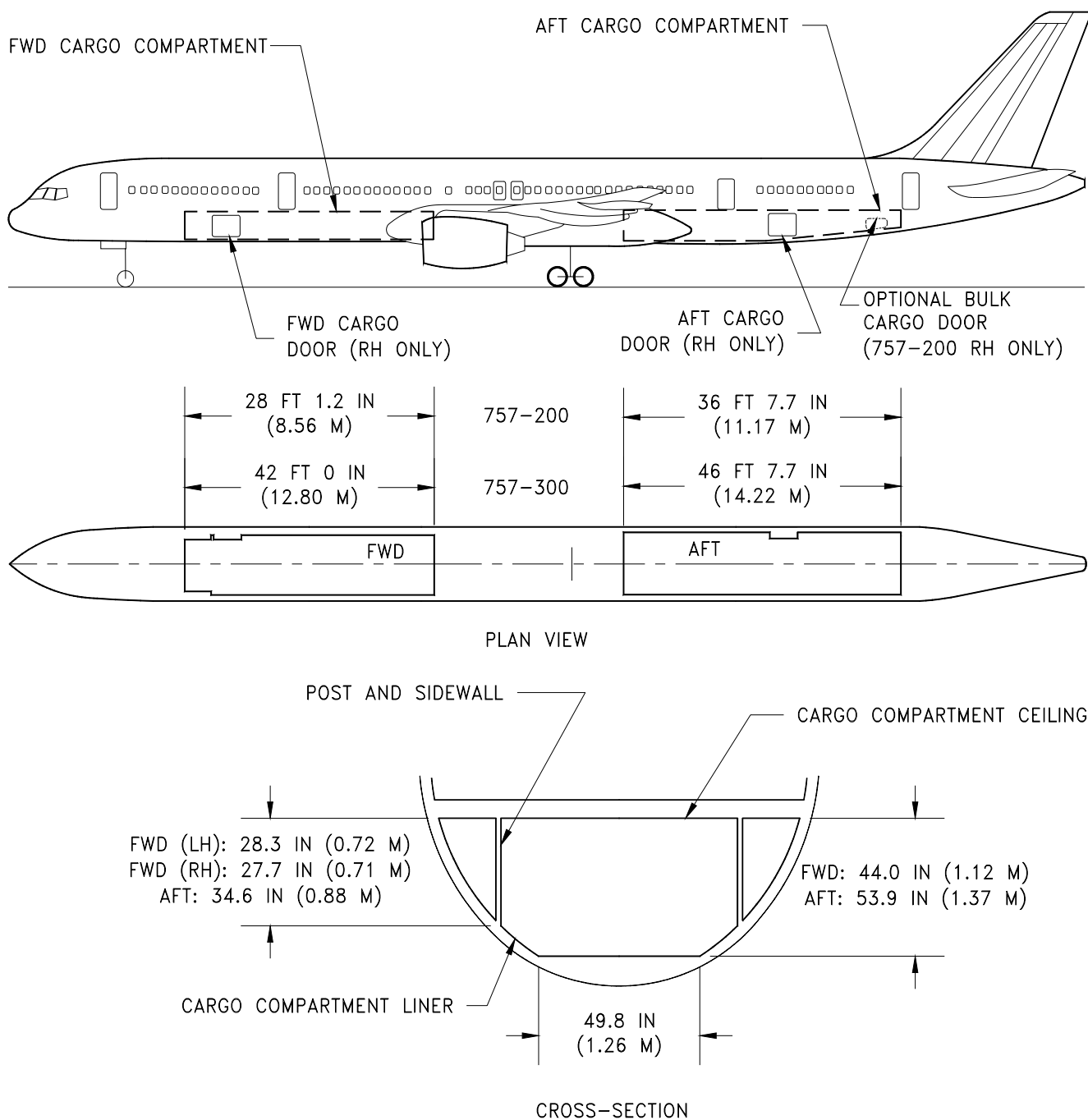
FIRST CLASS



ECONOMY CLASS

2.5 CABIN CROSS-SECTIONS

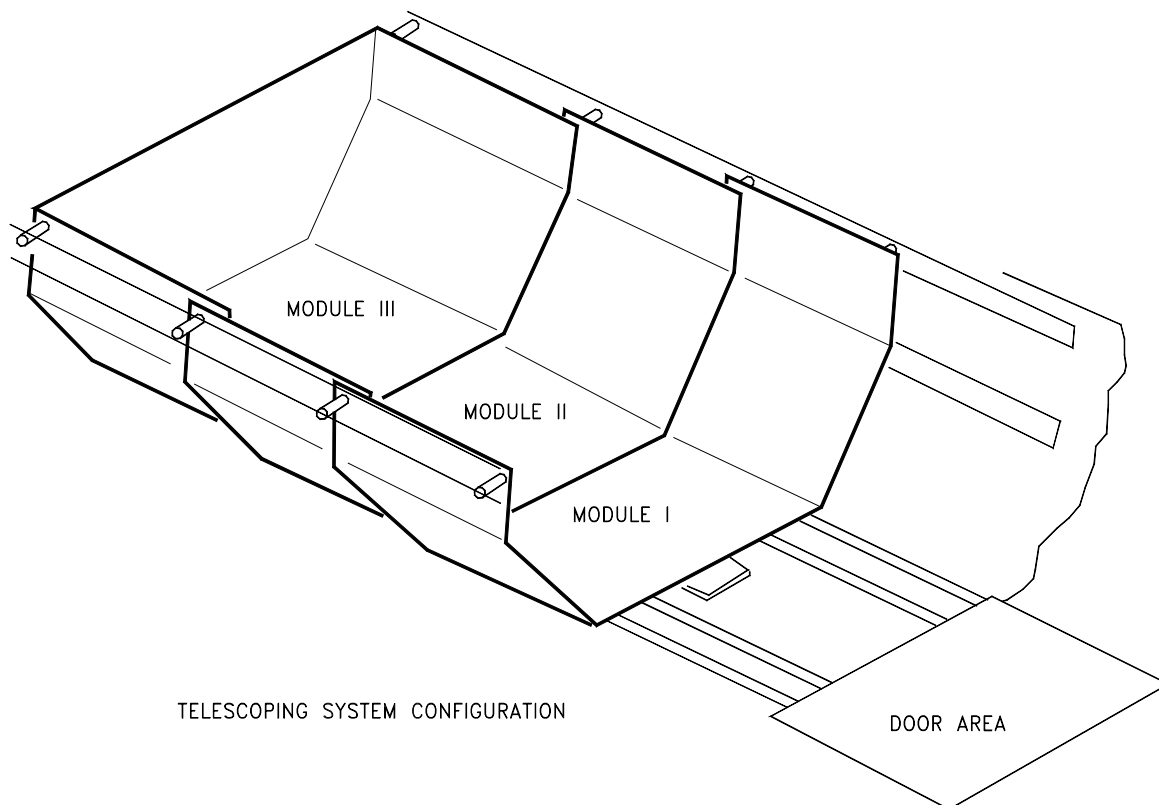
MODEL 757-200, -300



2.6.1 LOWER CARGO COMPARTMENTS - BULK CARGO CAPACITIES

MODEL 757-200, -300

- SYSTEM AVAILABLE IN EITHER OR BOTH CARGO COMPARTMENTS
- FORWARD CARGO COMPARTMENT USES A THREE-MODULE SYSTEM AFT OF THE CARGO DOOR
- AFT CARGO COMPARTMENT USES A TWO-MODULE SYSTEM FORWARD OF THE CARGO DOOR

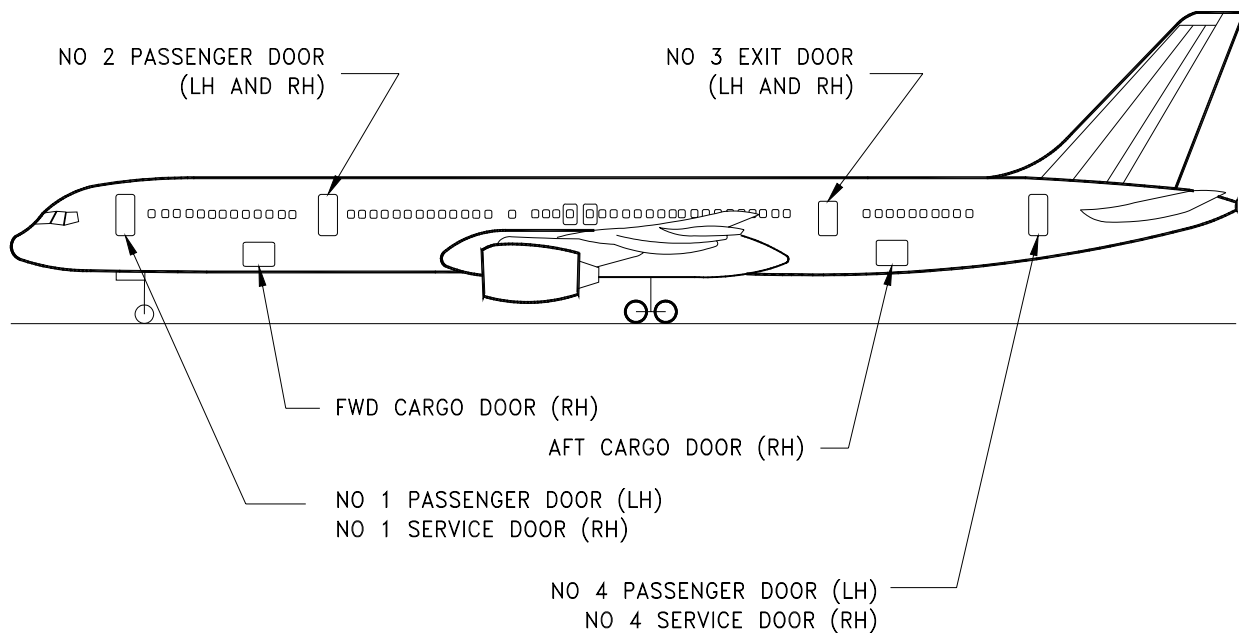


		BULK CARGO CAPACITIES - TELESCOPING SYSTEM				TOTAL(1)
		FWD COMPARTMENT		AFT COMPARTMENT		
		3 MODULES	ADD'L BULK	2 MODULES	ADD'L BULK	
VOLUME	CU FT	420	220	420	630	1,690
	CU M	11.9	6.2	11.9	17.8	47.8

NOTE: (1) OPTIONAL THIRD CARGO DOOR REDUCES VOLUME BY 100 CU FT

2.6.2 LOWER CARGO COMPARTMENTS - OPTIONAL TELESCOPING BAGGAGE SYSTEM

MODEL 757-200, -200PF



DOOR NAME	DISTANCE FROM NOSE(1) - 757-200	DISTANCE FROM NOSE(1) - 757-300	DOOR OPENING SIZE
NO. 1 PASSENGER DOOR (LH)	16 FT 7 IN (5.05 M)	16 FT 7 IN (5.05 M)	33 BY 72 IN (0.84 BY 1.83 M)
NO. 1 SERVICE DOOR (RH)	15 FT 8 IN (4.78 M)	15 FT 8 IN (4.78 M)	30 BY 65 IN (0.76 BY 1.65 M)
NO. 2 PASSENGER DOOR (LH & RH)	45 FT 11 IN (13.99 M)	45 FT 11 IN (13.99 M)	33 BY 72 IN (0.84 BY 1.83 M)
NO. 3 EXIT DOOR (LH & RH)	(N/A)	121 FT 4 IN (35.99 M)	24 BY 44 IN (0.61 BY 1.18 M)
NO. 4 PASSENGER DOOR (LH & RH)	125 FT 5 IN (38.23 M)	148 FT 9 IN (45.34 M)	30 BY 72 IN (0.76 BY 1.83 M)
FWD CARGO DOOR (RH)	35 FT 11 IN (10.95 M)	35 FT 11 IN (10.95 M)	55 BY 42.5 IN (1.40 BY 1.08 M)
AFT CARGO DOOR (RH)	104 FT 3 IN (31.78 M)	127 FT 7 IN (38.89 M)	55 BY 45 IN (1.40 BY 1.14 M)
BULK CARGO DOOR (2)	117 FT 3 IN (35.74 M)	(N/A)	48 BY 32 IN (1.22 BY 0.81 M)

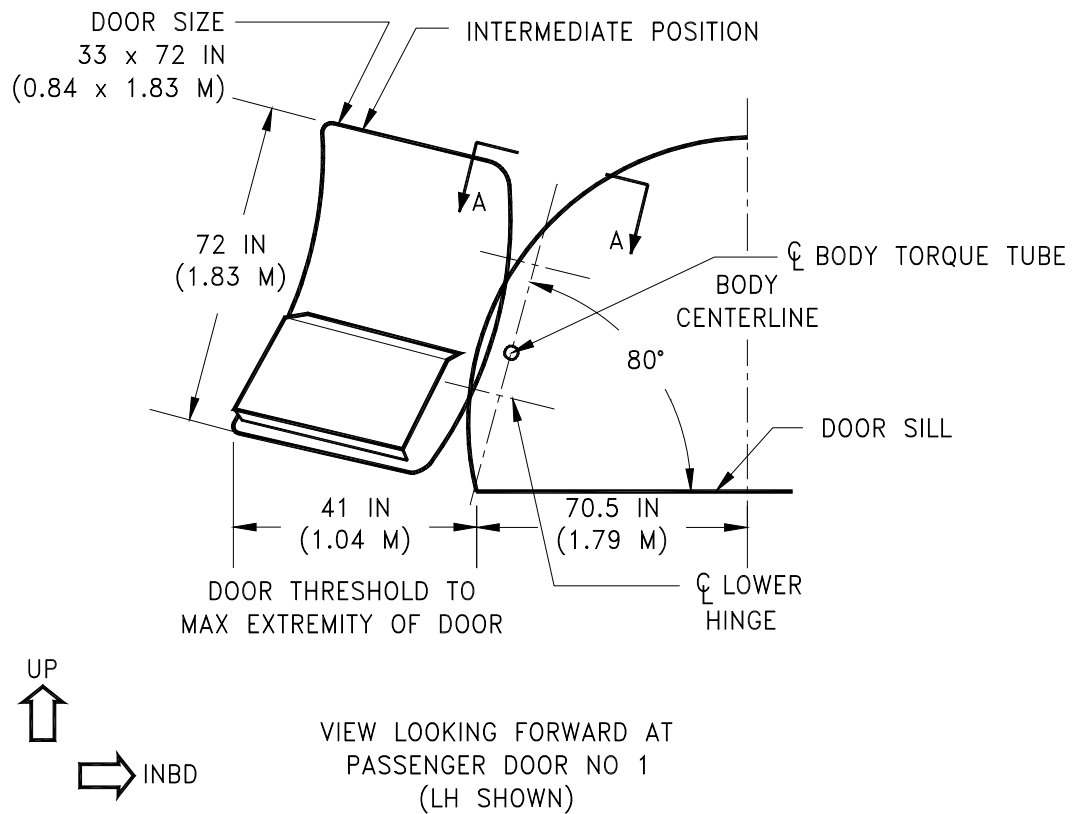
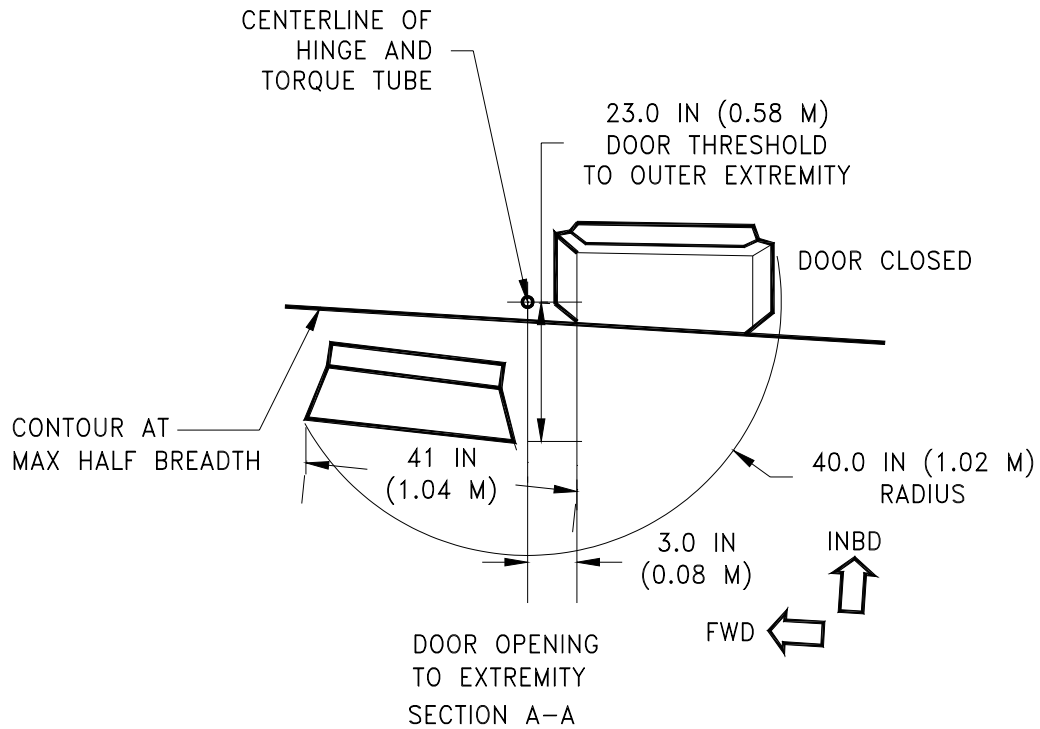
NOTES (1) LONGITUDINAL DISTANCE FROM NOSE TO CENTER OF DOOR

(2) EARLY PRODUCTION 757-200 AIRPLANES ONLY

2.7.1 DOOR CLEARANCES - PASSENGER, SERVICE, AND CARGO DOOR LOCATIONS

MODEL 757-200, -300

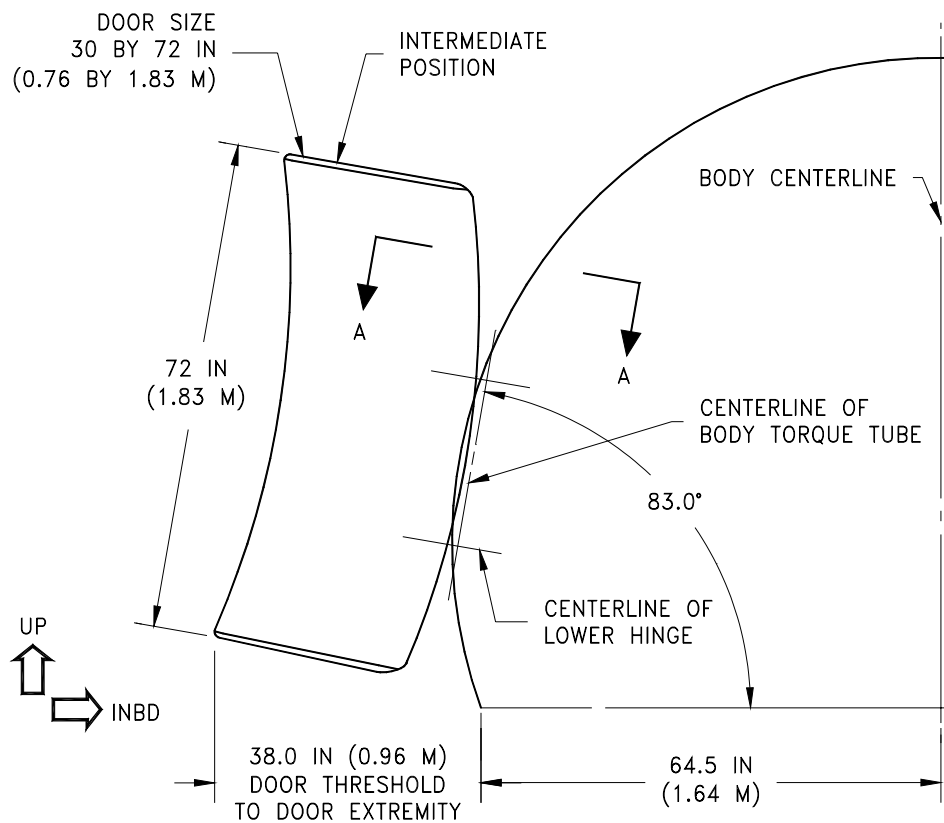
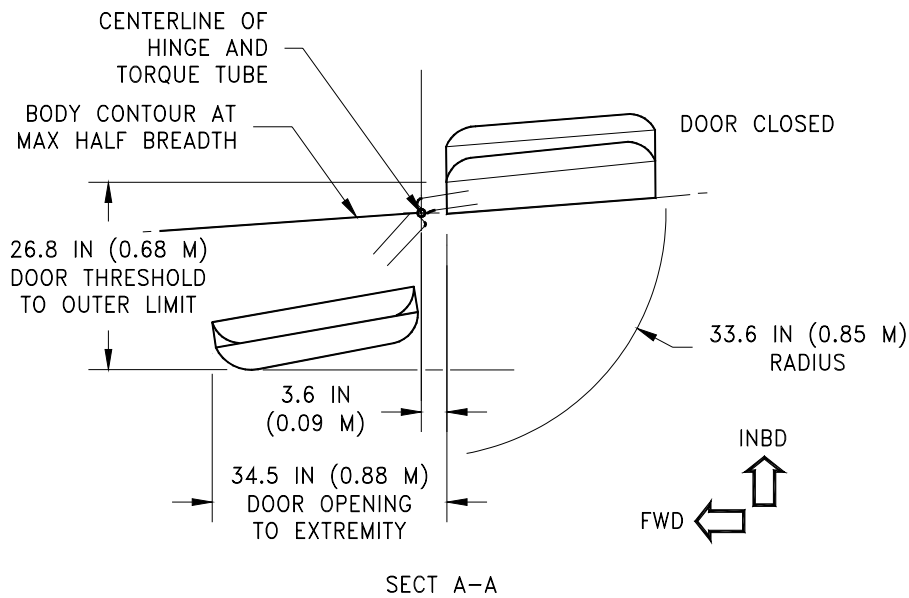
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2.7.2 DOOR CLEARANCES - MAIN DECK DOOR NO 1

MODEL 757-200, -300

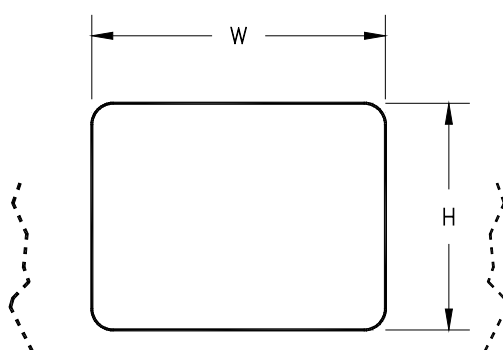
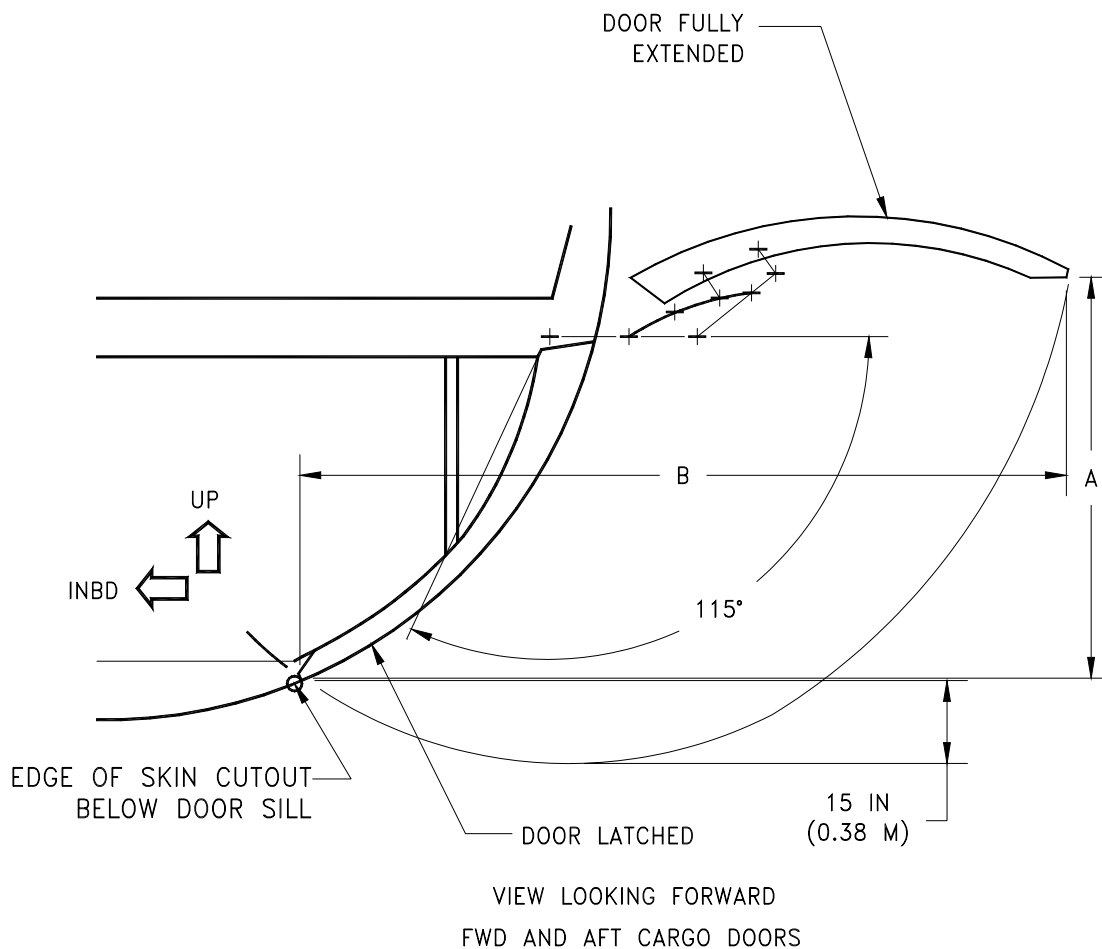




VIEW LOOKING FORWARD AT
NO 4 PASSENGER DOOR (LH)

2.7.4 DOOR CLEARANCES - MAIN DECK DOOR NO 4

MODEL 757-200, -300



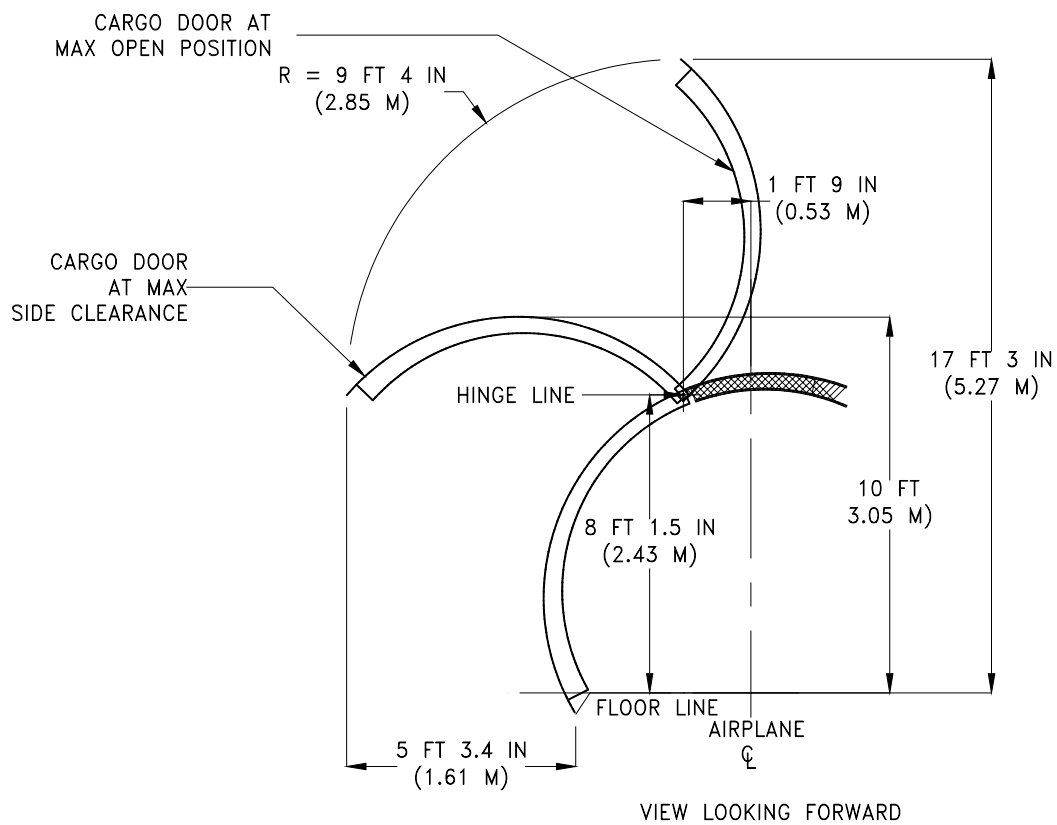
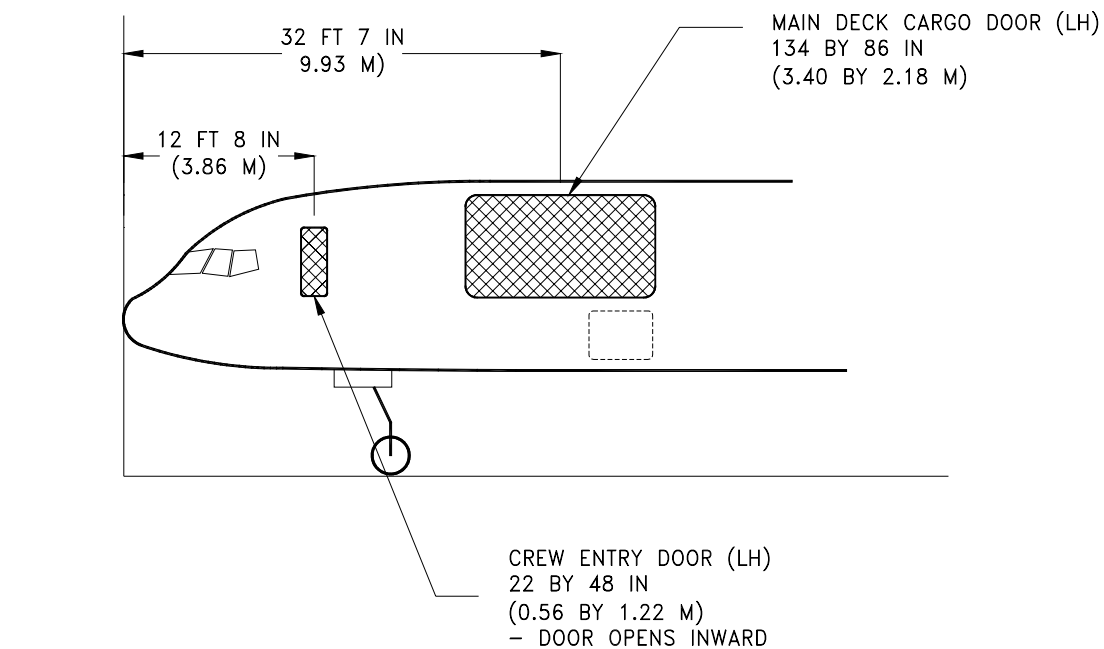
RIGHT SIDE VIEW
FWD & AFT CARGO DOORS

	W WIDTH	H HEIGHT	A VERTICAL	B LATERAL
FWD CARGO DOOR	55.0 IN (1.40 M)	42.5 IN (1.08 M)	57.0 IN (1.45 M)	111.1 IN (2.82 M)
AFT CARGO DOOR	55.0 IN (1.40 M)	45.0 IN (1.14 M)	61.0 IN (1.55 M)	111.3 IN (2.83 M)

2.7.5 DOOR CLEARANCES - CARGO DOORS

MODEL 757-200, -300

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2.7.6 DOOR CLEARANCES - MAIN DECK DOORS

MODEL 757-200PF

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