

PRELIMINARY INFORMATION

2.0 AIRPLANE DESCRIPTION

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PRELIMINARY INFORMATION

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 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.)

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

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.

Spec 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 Structural Payload. 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.

PRELIMINARY INFORMATION

| CHARACTERISTICS | UNITS | ENGINE MANUFACTURER | |
|------------------|--------------|---|-------------|
| | | GENERAL ELECTRIC | ROLLS-ROYCE |
| MAX DESIGN | POUNDS | 503,500 | 503,500 |
| TAXI WEIGHT | KILOGRAMS | 228,384 | 228,384 |
| MAX DESIGN | POUNDS | 502,500 | 502,500 |
| TAKEOFF WEIGHT | KILOGRAMS | 227,930 | 227,930 |
| MAX DESIGN | POUNDS | 380,000 | 380,000 |
| LANDING WEIGHT | KILOGRAMS | 172,365 | 172,365 |
| MAX DESIGN ZERO | POUNDS | 355,000 | 355,000 |
| FUEL WEIGHT | KILOGRAMS | 161,025 | 161,025 |
| SPEC OPERATING | POUNDS | TBD | TBD |
| EMPTY WEIGHT (1) | KILOGRAMS | TBD | TBD |
| MAX STRUCTURAL | POUNDS | TBD | TBD |
| PAYLOAD | KILOGRAMS | TBD | TBD |
| SEATING | ONE-CLASS | 375 ALL-ECONOMY SEATS; EXIT LIMIT = 440 SEATS | |
| CAPACITY | MIXED CLASS | 224 THREE-CLASS; 12 FIRST CLASS, 42 BUSINESS CLASS, 170 ECONOMY CLASS (SEE SEC 2.4) | |
| MAX CARGO | CUBIC FEET | 4,826 (2) | 4,826 (2) |
| - LOWER DECK | CUBIC METERS | 136.7 (2) | 136.7 (2) |
| USABLE FUEL | US GALLONS | 33,528 | 33,528 |
| | LITERS | 126,903 | 126,903 |
| | POUNDS | 224,638 | 224,638 |
| | KILOGRAMS | 101,894 | 101,894 |

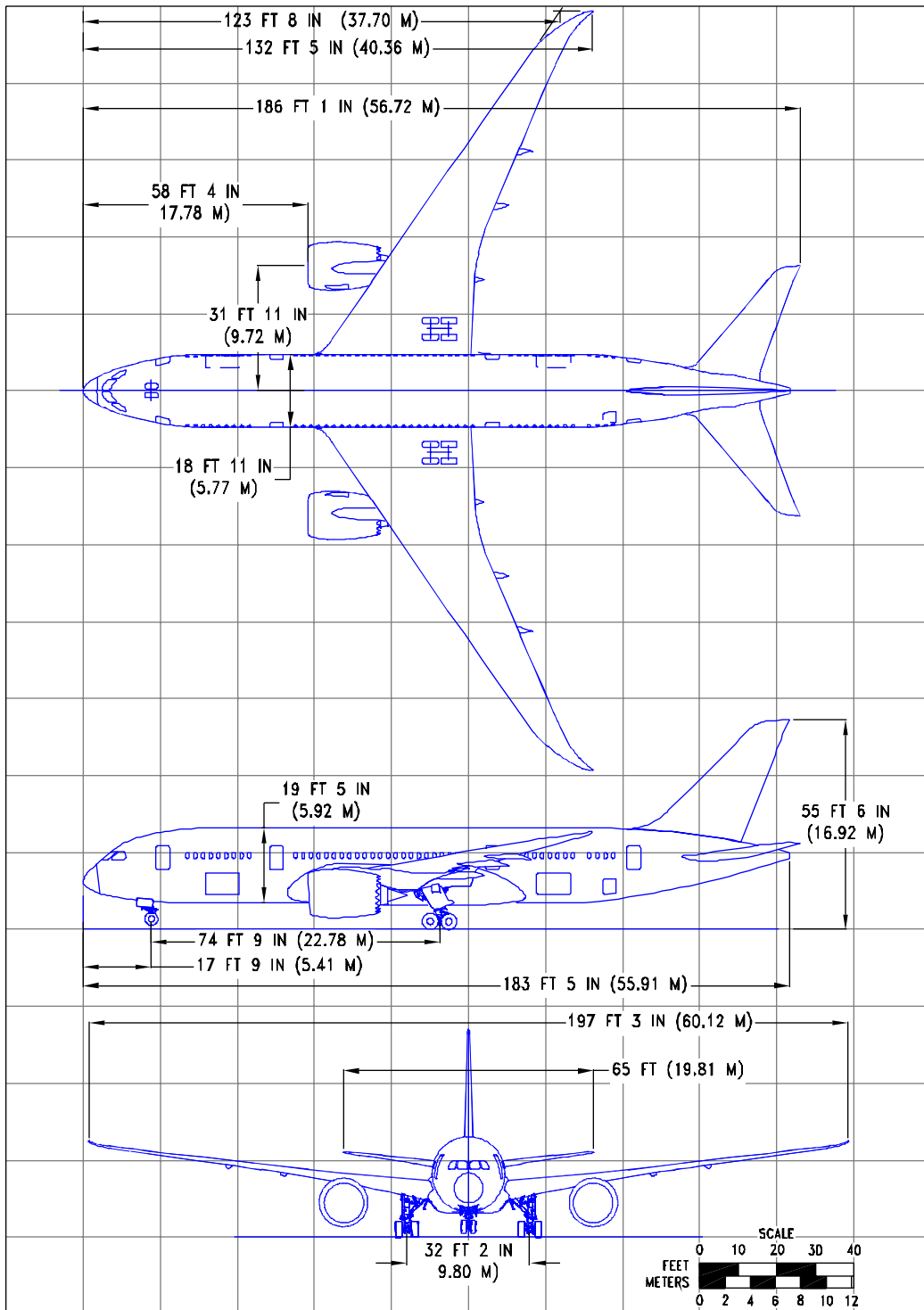
- NOTES: (1) SPEC WEIGHT FOR TYPICAL ENGINE / WEIGHT CONFIGURATION SHOWN
TYPICAL OPERATING EMPTY WEIGHT SHOWN. ACTUAL WEIGHT WILL
DEPEND ON SPECIFIC AIRLINE CONFIGURATION.
- (2) 16 LD3 CONTAINERS IN FWD COMPARTMENT AT 158 CU FT (4.5 CU M) EACH ; 12 LD3
CONTAINERS IN AFT COMPARTMENT; 402 CU FT (11.4 CU M) IN BULK CARGO COMPARTMENT.
SEE SEC 2.6 FOR OTHER LOADING COMBINATIONS.

2.1 GENERAL CHARACTERISTICS

MODEL 787-8

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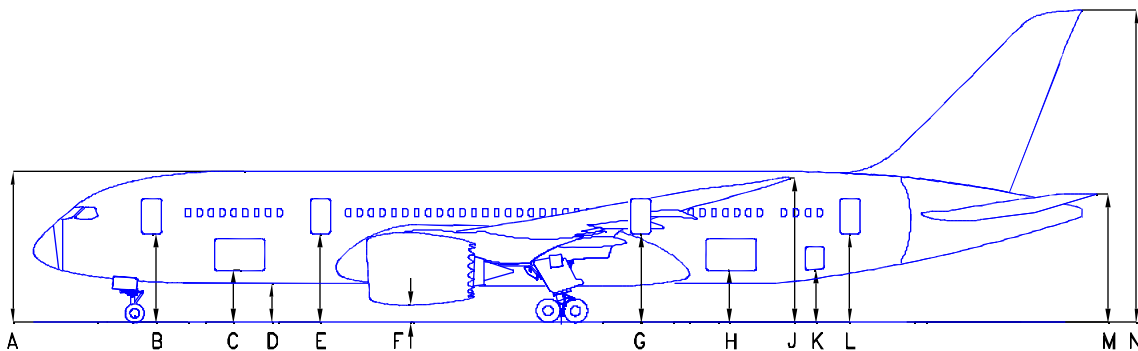
PRELIMINARY INFORMATION



2.2 GENERAL DIMENSIONS

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| | NOMINAL (1) | |
|----------------|---------------|--------|
| | FEET - INCHES | METERS |
| A | 25 - 3 | 7.70 |
| B | 14 - 2 | 4.32 |
| C | 8 - 0 | 2.44 |
| D | 5 - 9 | 1.75 |
| E | 14 - 7 | 4.45 |
| F (GE ENGINES) | 2 - 5 | 0.74 |
| F (RR ENGINES) | 2 - 4 | 0.71 |
| G | 15 - 4 | 4.67 |
| H | 9 - 2 | 2.79 |
| J | 25 - 2 | 7.67 |
| K | 9 - 6 | 2.90 |
| L | 15 - 10 | 4.83 |
| M | 23 - 5 | 7.13 |
| N | 55 - 6 | 16.92 |

NOTES:

1. NOMINAL DIMENSIONS BASED ON A STATIC AIRPLANE.
2. DURING ROUTINE SERVICING, THE AIRPLANE REMAINS RELATIVELY STABLE, PITCH AND ELEVATION CHANGES OCCURRING SLOWLY.

2.3 GROUND CLEARANCES

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PRELIMINARY INFORMATION

DATA TO BE PROVIDED
AT A LATER DATE

For more information about the data on this page please contact us at:

e-mail: AirportTechnology@boeing.com

OR

Fax: 425-237-8281

2.4.1 INTERIOR ARRANGEMENTS – LONG-RANGE CONFIGURATIONS

MODEL 787-8

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2.4.2 INTERIOR ARRANGEMENTS – SHORT-TO-MEDIUM-TO-LONG RANGE

MODEL 787-8

PRELIMINARY INFORMATION

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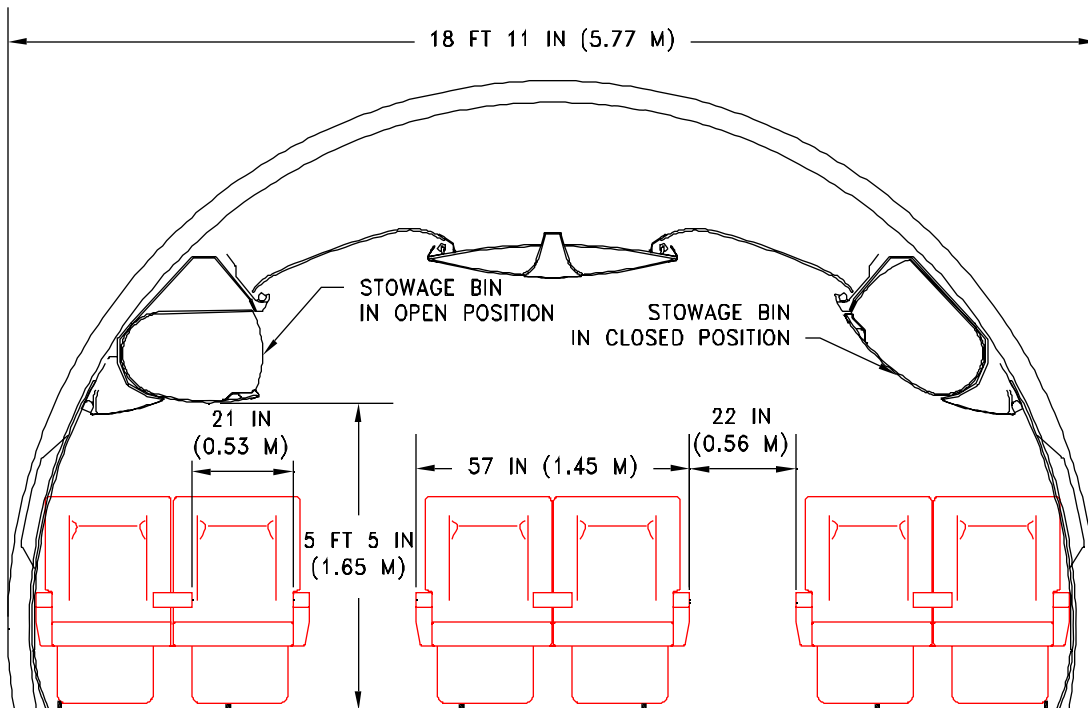
OR

Fax: 425-237-8281

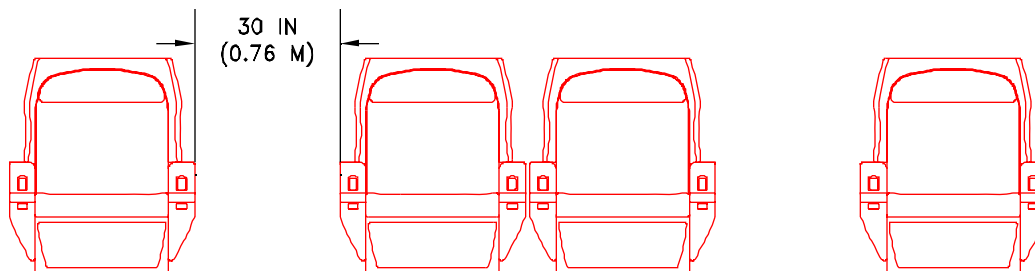
2.4.3 INTERIOR ARRANGEMENTS – SHORT-TO-MEDIUM RANGE

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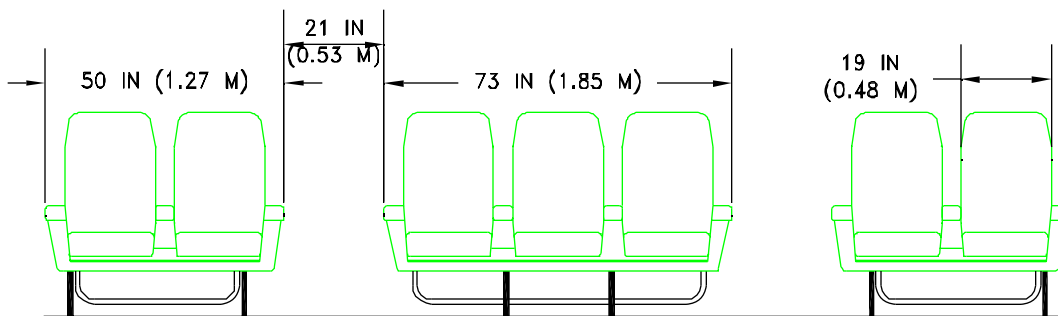
FIRST CLASS/BUSINESS CLASS SEATS



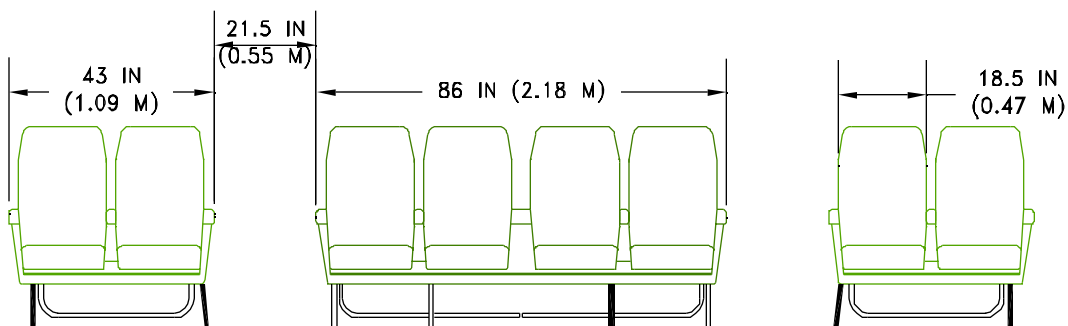
FIRST CLASS POD

2.5.1 CABIN CROSS-SECTIONS – FIRST CLASS AND BUSINESS CLASS SEATS MODEL 787-8

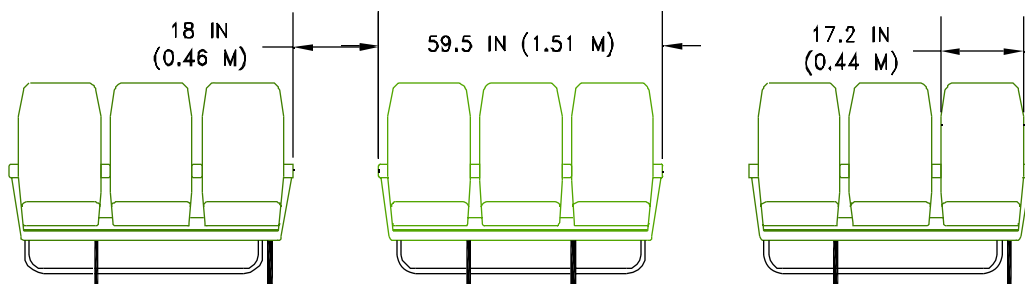
PRELIMINARY INFORMATION



BUSINESS CLASS/PREMIUM ECONOMY CLASS SEATS



8-ABREAST ECONOMY SEATS

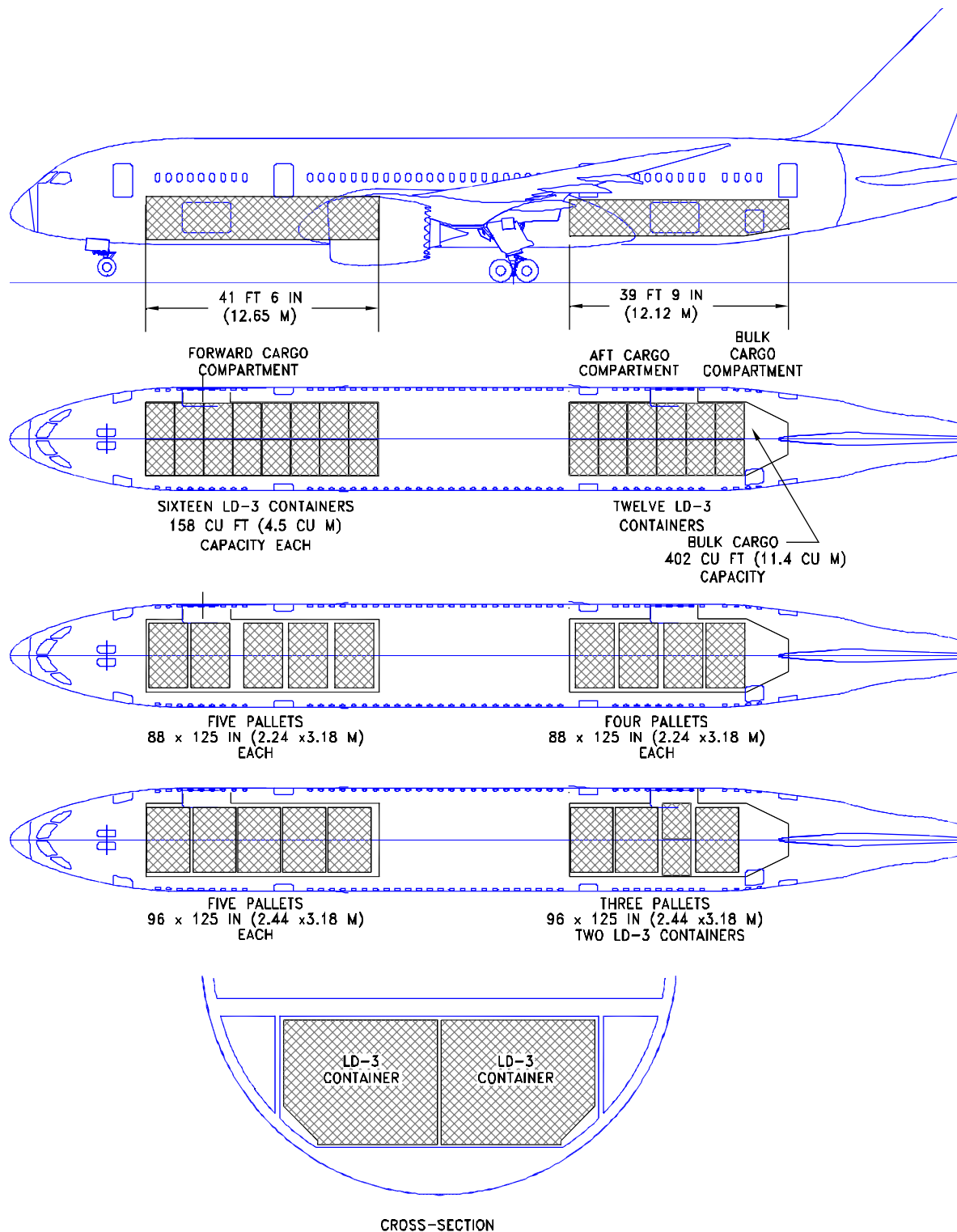


9-ABREAST ECONOMY SEATS

2.5.2 CABIN CROSS-SECTIONS - ALTERNATE SEATING ARRANGEMENTS

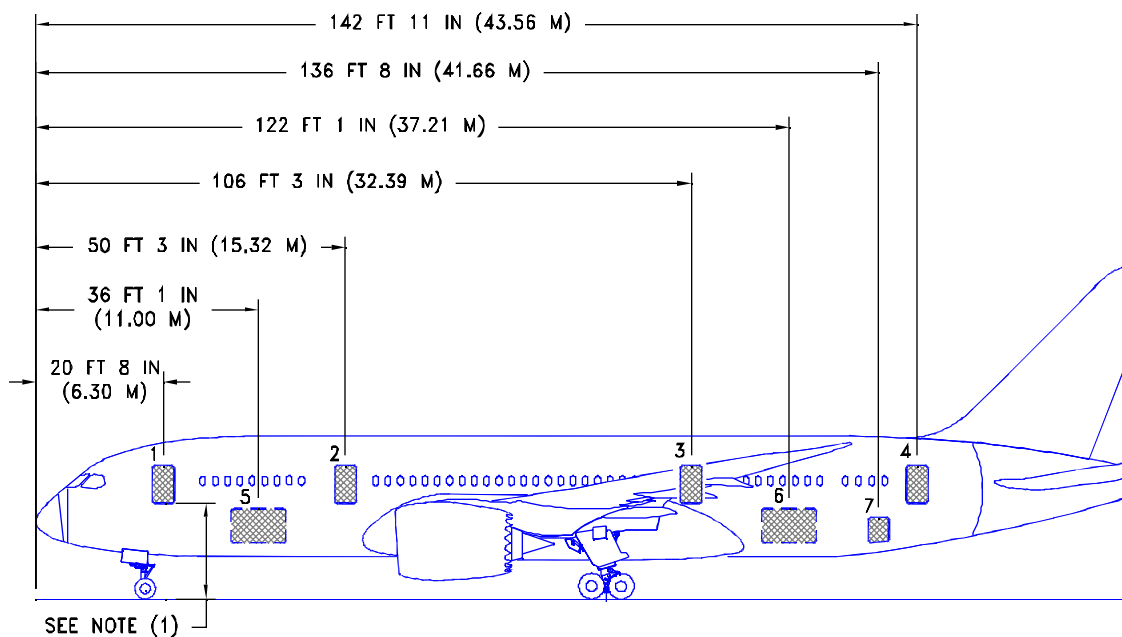
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2.6 LOWER CARGO COMPARTMENTS – CONTAINERS AND BULK CARGO MODEL 787-8

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| | DOOR NAME | DOOR LOCATION | DOOR CLEAR OPENING |
|---|----------------------------------|----------------|--------------------------------|
| 1 | MAIN ENTRY/SERVICE DOOR NO 1 (2) | LEFT AND RIGHT | 42 IN x 72 IN (1.07 x 1.83 M) |
| 2 | MAIN ENTRY/SERVICE DOOR NO 2 (2) | LEFT AND RIGHT | 42 IN x 72 IN (1.07 x 1.83 M) |
| 3 | EMERGENCY EXIT DOOR NO 3 | LEFT AND RIGHT | 36 IN x 74 IN (0.91 x 1.88 M) |
| 4 | MAIN ENTRY/SERVICE DOOR NO 4 (2) | LEFT AND RIGHT | 42 IN x 72 IN (1.07 x 1.83 M) |
| 5 | FORWARD CARGO DOOR | RIGHT | 106 IN x 67 IN (2.69 x 1.70 M) |
| 6 | AFT CARGO DOOR | RIGHT | 106 IN x 67 IN (2.69 x 1.70 M) |
| 7 | BULK CARGO DOOR | LEFT | 40 IN x 45 IN (1.02 x 1.14 M) |

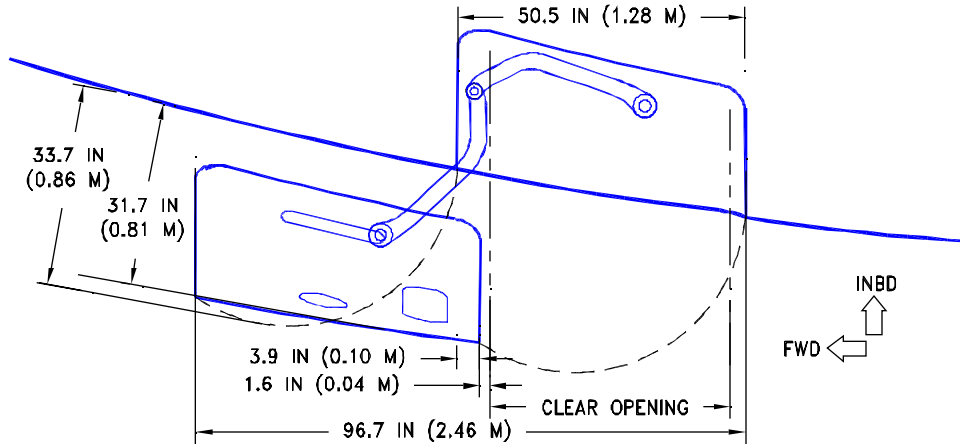
NOTES:

- (1) SEE SEC 2.3 FOR DOOR SILL HEIGHTS
- (2) ENTRY DOORS LEFT SIDE, SERVICE DOORS RIGHT SIDE

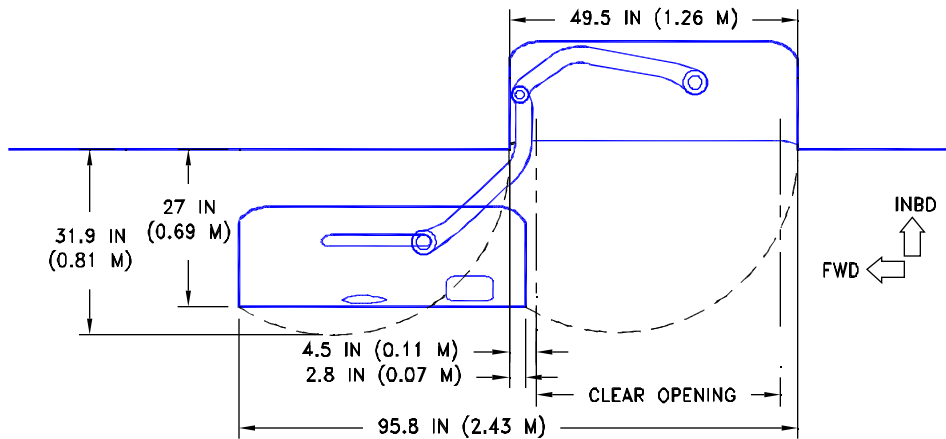
2.7.1 DOOR LOCATIONS AND SIZES - PASSENGER AND CARGO DOORS

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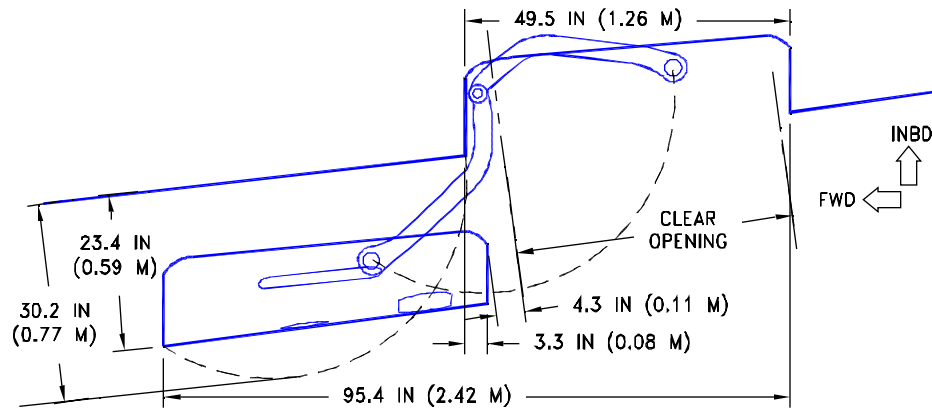
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DOOR NO 1 SWING ENVELOP
(LEFT DOOR SHOWN, RIGHT DOOR OPPOSITE)



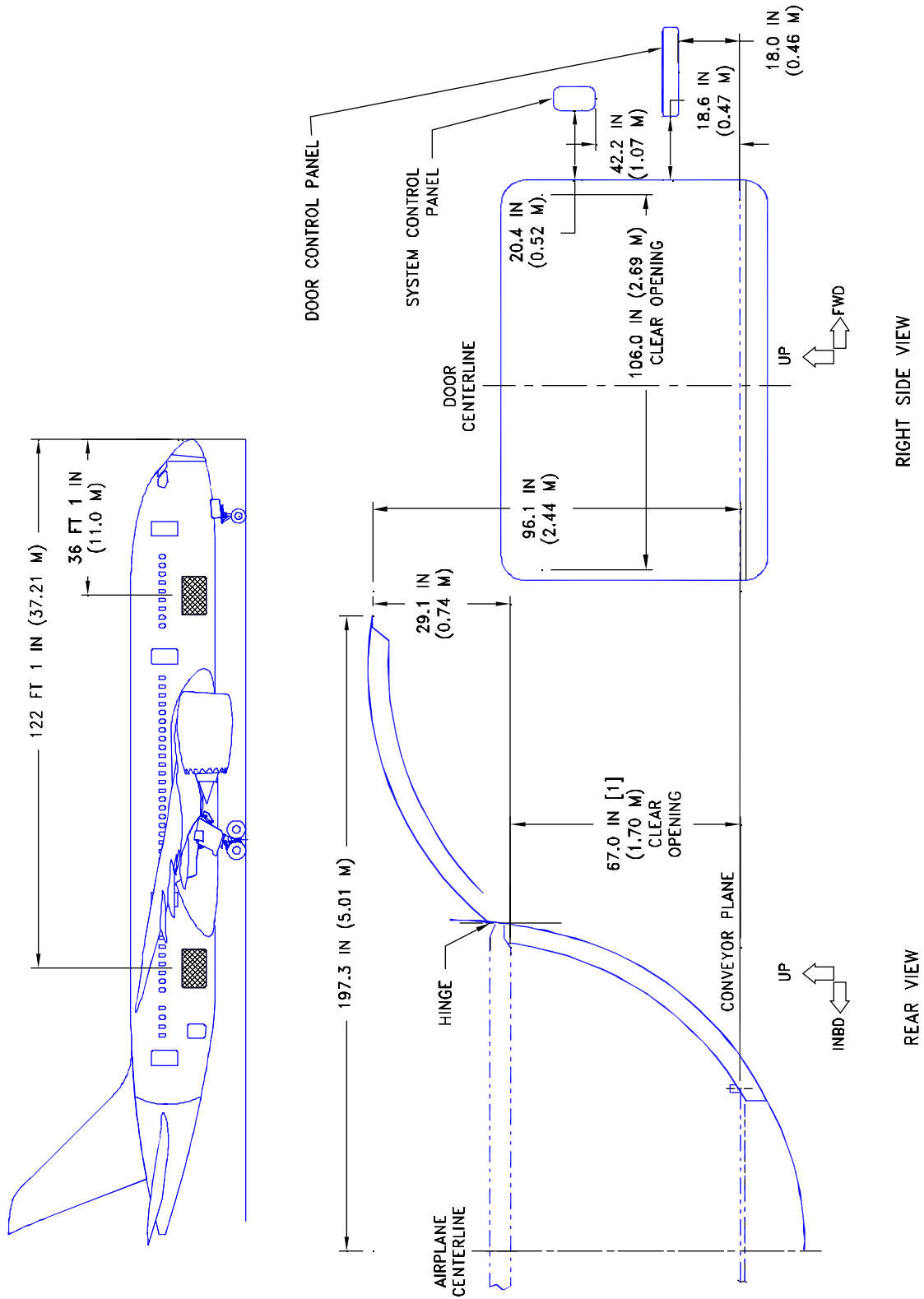
DOOR NO 2 SWING ENVELOP
(LEFT DOOR SHOWN, RIGHT DOOR OPPOSITE)



DOOR NO 4 SWING ENVELOP
(LEFT DOOR SHOWN, RIGHT DOOR OPPOSITE)

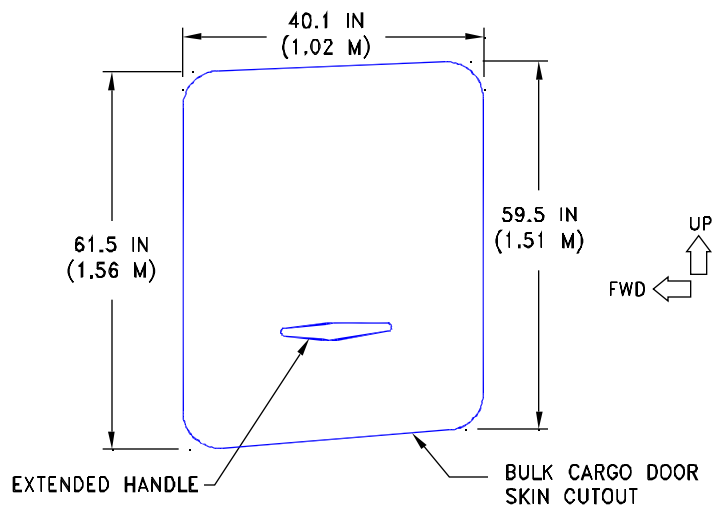
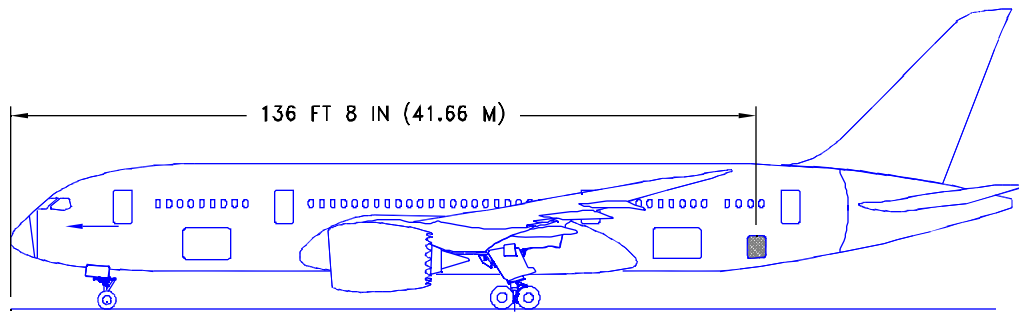
2.7.2 DOOR CLEARANCES – MAIN DECK ENTRY AND SERVICE DOORS MODEL 787-8

PRELIMINARY INFORMATION

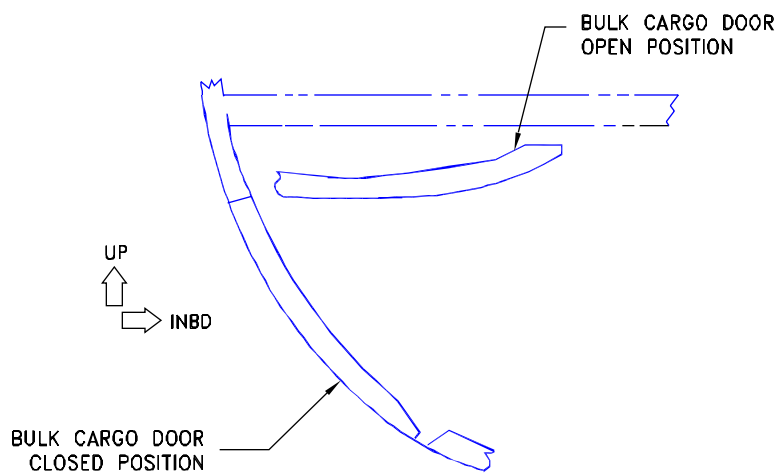


2.7.3 DOOR CLEARANCES – LOWER DECK CARGO DOOR MODEL 787-8

PRELIMINARY INFORMATION



LEFT SIDE VIEW



VIEW LOOKING FORWARD

2.7.4 DOOR CLEARANCES - BULK CARGO DOOR

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