



AIRCRAFT MAINTENANCE MANUAL

DIMENSIONS AND AREAS
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AIRCRAFT DIMENSIONS AND AREAS – DESCRIPTION

1. General

- A. This chapter contains the description of the aircraft dimensions and areas, stations, zones, internal and external access panels and doors which are detailed in the sections as follows:
- Dimensions and Areas – 06-10-00
 - Aircraft Stations – 06-20-00
 - Aircraft Zones – 06-30-00
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DIMENSIONS AND AREAS – DESCRIPTION

1. General

- A. This section contains information on the dimensions and areas of the aircraft when supported on the landing gear.

2. Description

Refer to Figure 1.

A. Dimensions

(1) Overall dimensions

Span	85 ft. 0 in. (25.90 m)
Length	73 ft. 0.125 in. (22.25 m)
*Height	24 ft. 7 in. (7.49 m)
*Propeller ground clearance (static)	3 ft. 0.90 in. (0.94 m)

(2) Wings

Root chord	8 ft. 4 in. (2.54 m)
Tip chord	4 ft. 3 in. (1.30 m)
Aspect ratio	12
Incidence	2 degrees
Dihedral	2 1/2 degrees

(3) Horizontal stabilizer and elevators

Span	26 ft. 0 in. (7.93 m)
Root chord	6 ft. 8 in. (2.03 m)
Tip chord	4 ft. 11 in. (1.50 m)
Aspect ratio	4.489
Incidence	+1 degree
Dihedral	0 degrees

(4) Vertical stabilizer and rudders

Height	13 ft. 3 in. (4.04 m)
Root chord	13 ft. 3 in. (4.04 m)
Tip chord	9 ft. 9 in. (2.97 m)
Aspect ratio	1.155

(5) Fuselage

Width	Outside 8 ft. 10 in. (2.69 m) Inside 8 ft. 2 in. (2.49 m)
Height	Outside 8 ft. 5 in. (2.57 m) Inside 6 ft. 2 in. (1.88 m)



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(6) Landing gear

Longitudinal dimension between main
and nose wheel centers

26 ft. 1 in. (7.95 m)

Main wheel track

25 ft. 10.4 in. (7.88 m)

Nose wheel steering angle

High Speed Taxi 14 degrees

Slow Speed Taxi 120 degrees

(7) Propeller

Diameter

13 ft. 0 in. (3.96 m)

B. Areas

(1) The main areas are as follows:

Wing

585 sq. ft. (54.35 sq. m)

Horizontal stabilizers and elevators

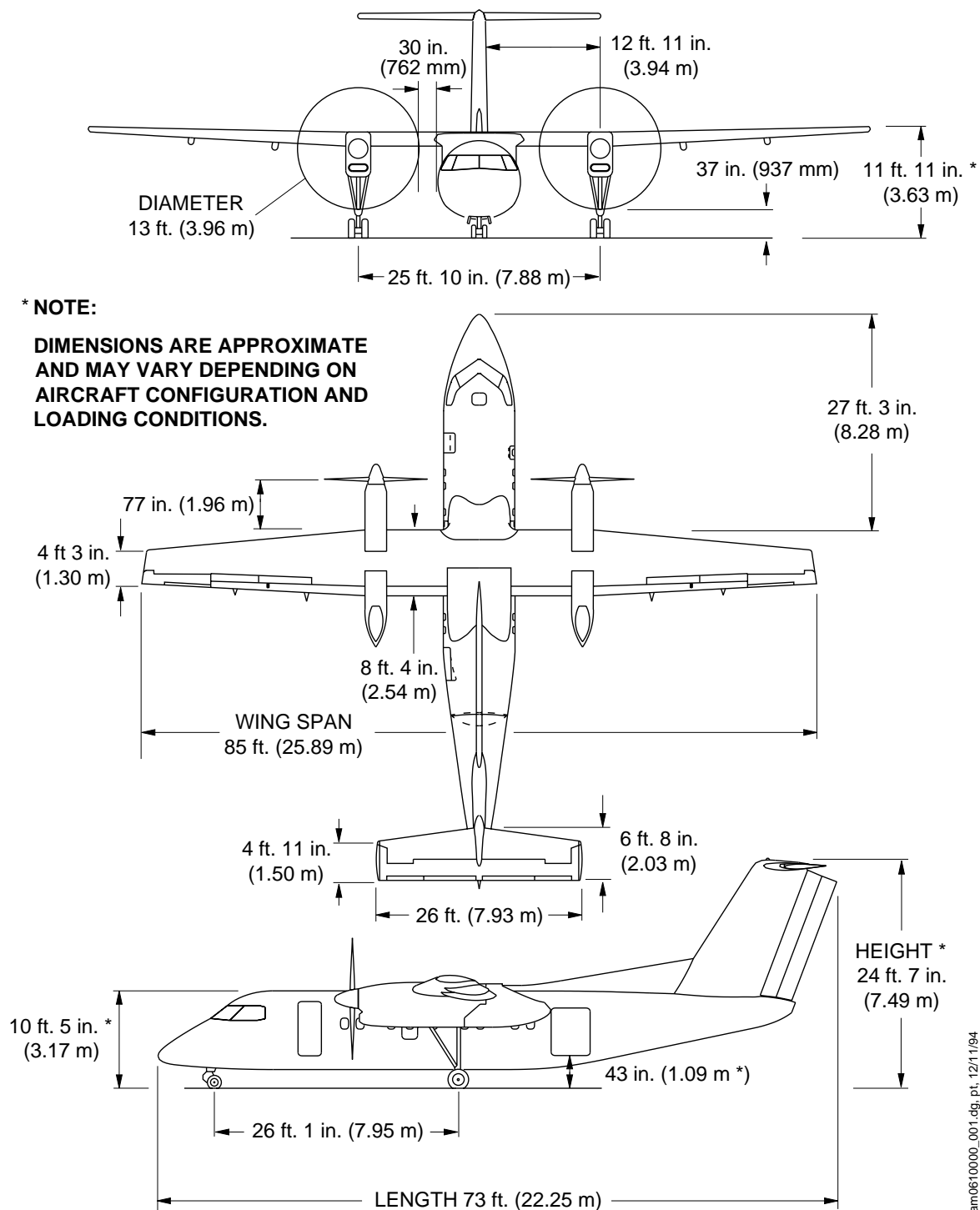
150 sq. ft. (13.94 sq. m)

Vertical stabilizer and rudders

152 sq. ft. (14.12 sq. m)

- (1) *The dimensions to Ground Line are approximate and vary depending on the aircraft configuration and loading conditions.

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Aircraft Dimensions
Figure 1



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AIRCRAFT STATIONS – DESCRIPTION

1. General

- A. The aircraft stations and major structural components are made up of a coordinate system using three main reference axes, the X, Y and Z axes.

2. Description

Refer to Figure 1.

A. Aircraft Coordinate System (X, Y and Z Axes)

- (1) The three main reference axes are identified X, Y and Z and their ordinates are located along these axes from a point of origin. The point of origin for the longitudinal axis X 00.00, is 43 inches in front of aircraft nose. The point of origin for the lateral axis Y 00.00, is the center line of the aircraft fuselage. The point of origin for the vertical axis Z 00.00, is located 81 inches below the fuselage skin.
- (2) Identification of the ordinates is by the dimension in inches from the point of origin prefixed by a letter denoting the axis. Station X 182.00 represents a position 182 inches along the X axis from the point of origin X 00.00.

B. Major Assembly Datum Points

- (1) Within the X, Y, Z axis system, additional points of origin are selected in the aircraft as datum points for locating major assemblies, i.e., wings, horizontal stabilizer and nacelles. The ordinates in these areas are identified by the letter for the major axis with a suffix letter indicating the assembly, followed by the dimension in inches from the assembly point of origin, example: XN 55.00 represents a position 55.00 inches aft of the point of origin for the engine nacelle. The point of origin XN 00.00 is located 12.36 inches forward of the spinner tip. This point of origin coincides with the basic aircraft ordinate X312.00.

C. Fuselage Stations

Refer to Figure 2.

- (1) The fuselage components are located by dimensions along the X, Y and Z axis from the point of origin for the basic aircraft.

D. Vertical Stabilizer Stations

Refer to Figure 3.

- (1) The vertical stabilizer is included in fuselage coordinate system.

E. Horizontal Stabilizer Stations

Refer to Figure 3.

- (1) The horizontal stabilizer assembly components are located by dimensions along the X axis from a point of origin XH 0.00 (aircraft ordinate X 866.15). Dimensions forward of XH 0.00 are negative. Along the Y axis dimensions are prefixed YH for identification although YH 0.00 is coincident with Y 0.00 on the aircraft centerline.

F. Wing Stations

Refer to Figure 4.

- (1) The wing components are located by dimensions along the X axis from a point of origin XW 0.00 (aircraft ordinate X 426.97). Along the Y axis dimensions are prefixed YW for identification although YW 0.00 is coincident with Y 0.00 on the



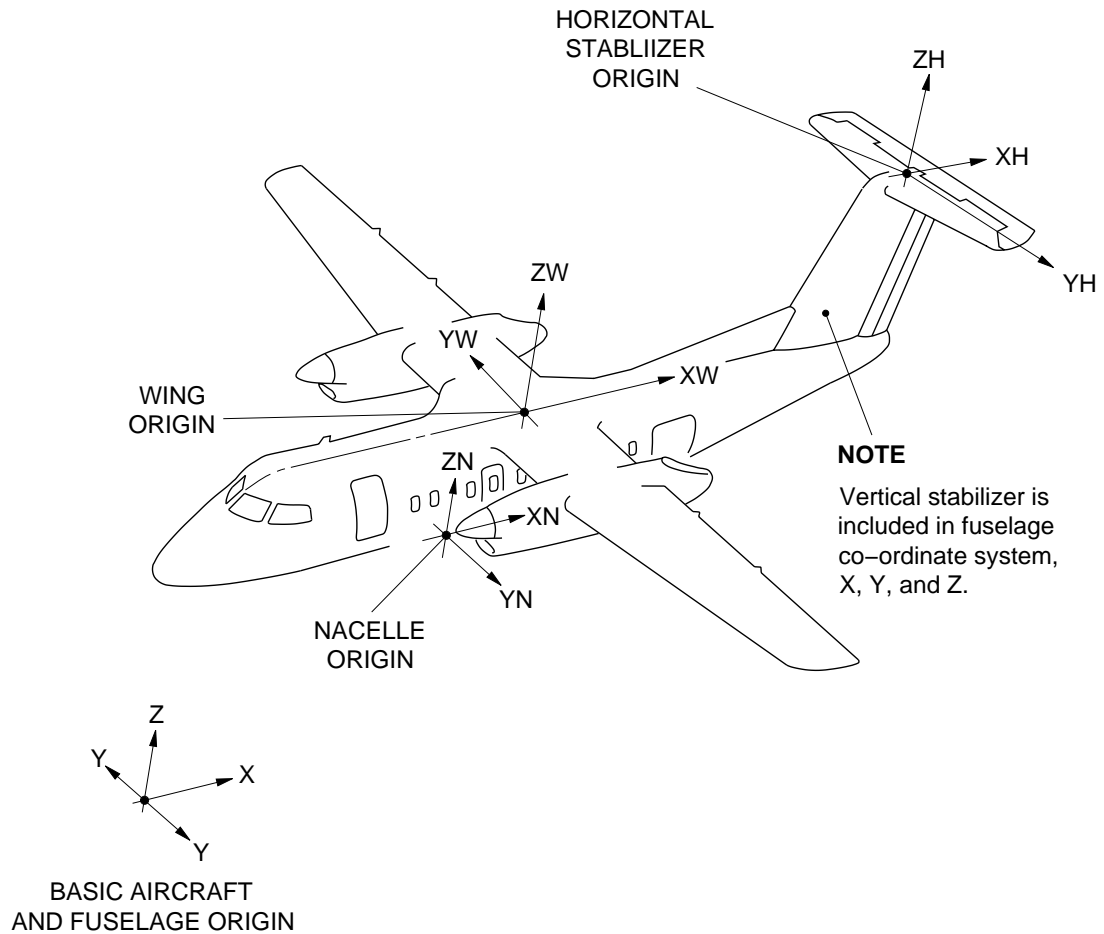
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aircraft centerline (YC 0.00).

G. Nacelle Stations

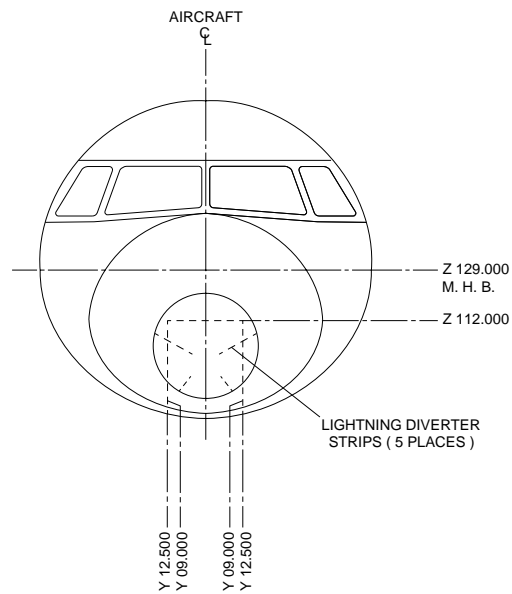
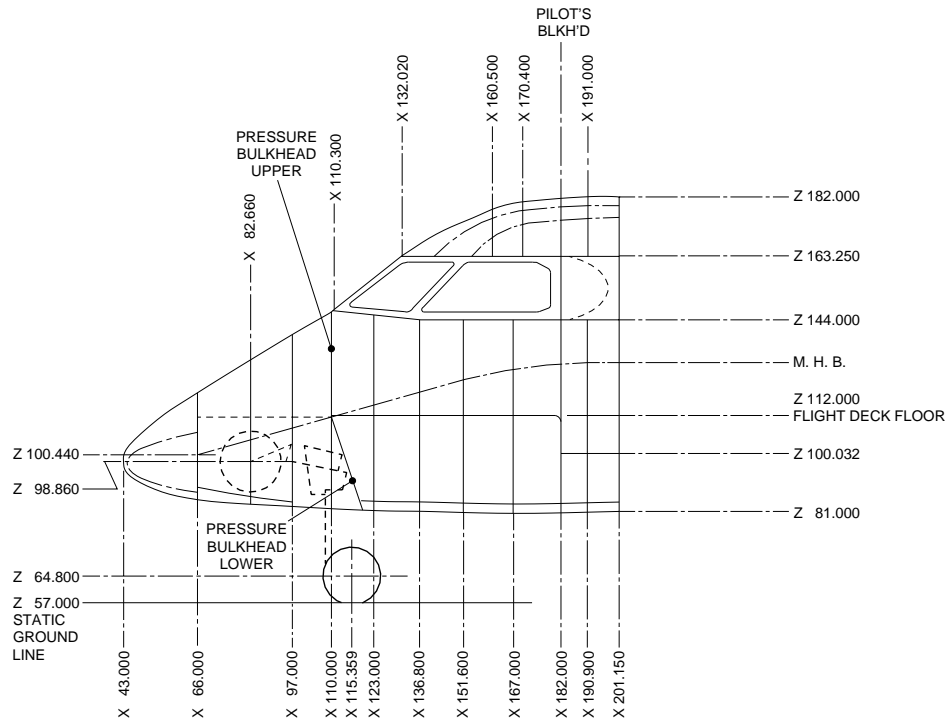
Refer to Figure 5.

- (1) The nacelle components are located by dimensions along the X axis from a point of origin XN 0.00 which is located 12.36 inches forward of the spinner tip and at aircraft ordinate X 257.00 and along Z axis from a point or origin ZN 0.00 (engine centerline) which is aircraft ordinate Z 171.90. Dimensions below ZN 0.00 are negative. The main landing gear support frame is located at XN 127.50 (aircraft ordinate X 384.50).



Aircraft Stations Coordinate System
Figure 1

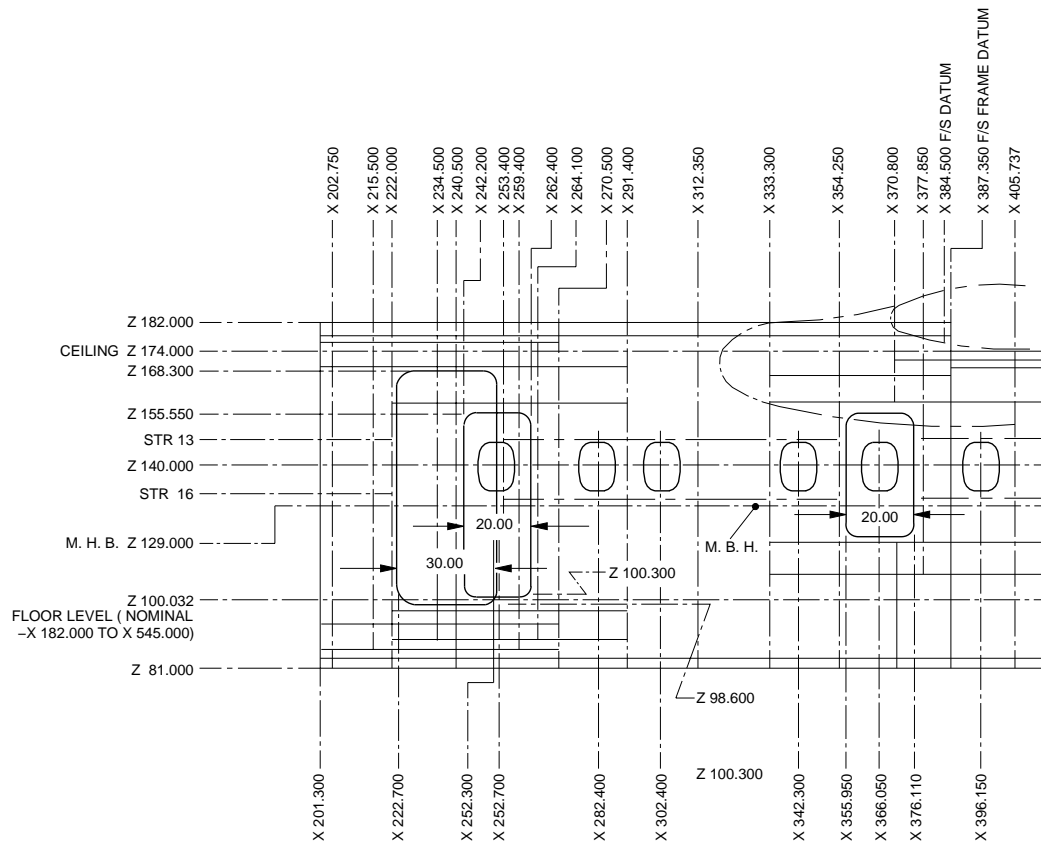
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Fuselage Stations Diagram
Figure 2 (Sheet 1 of 3)

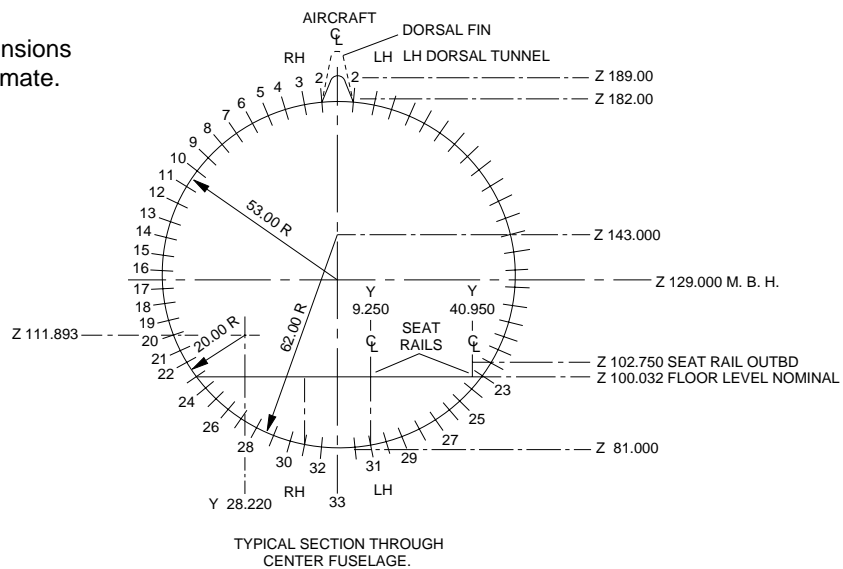
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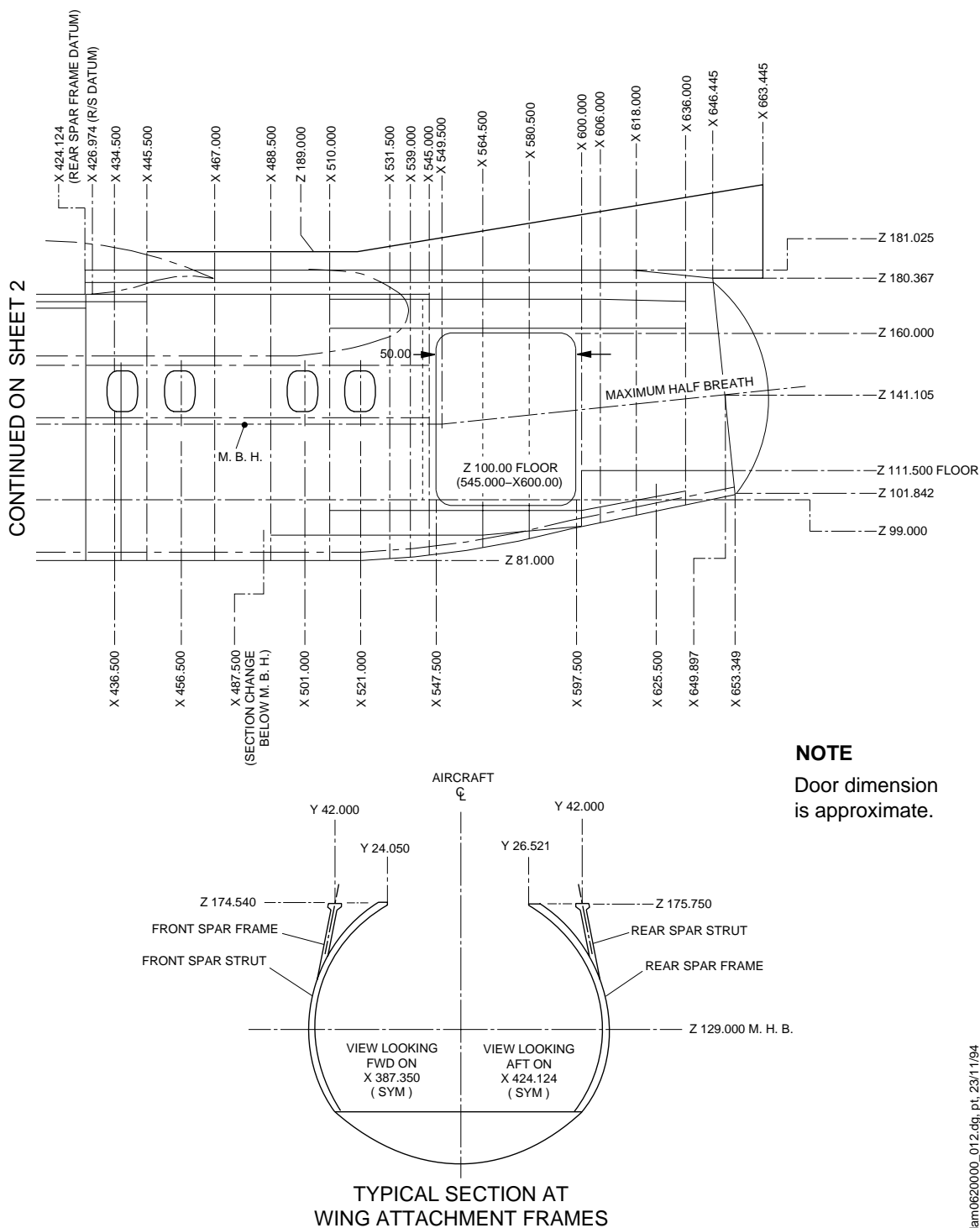
NOTE

Doors dimensions are approximate.

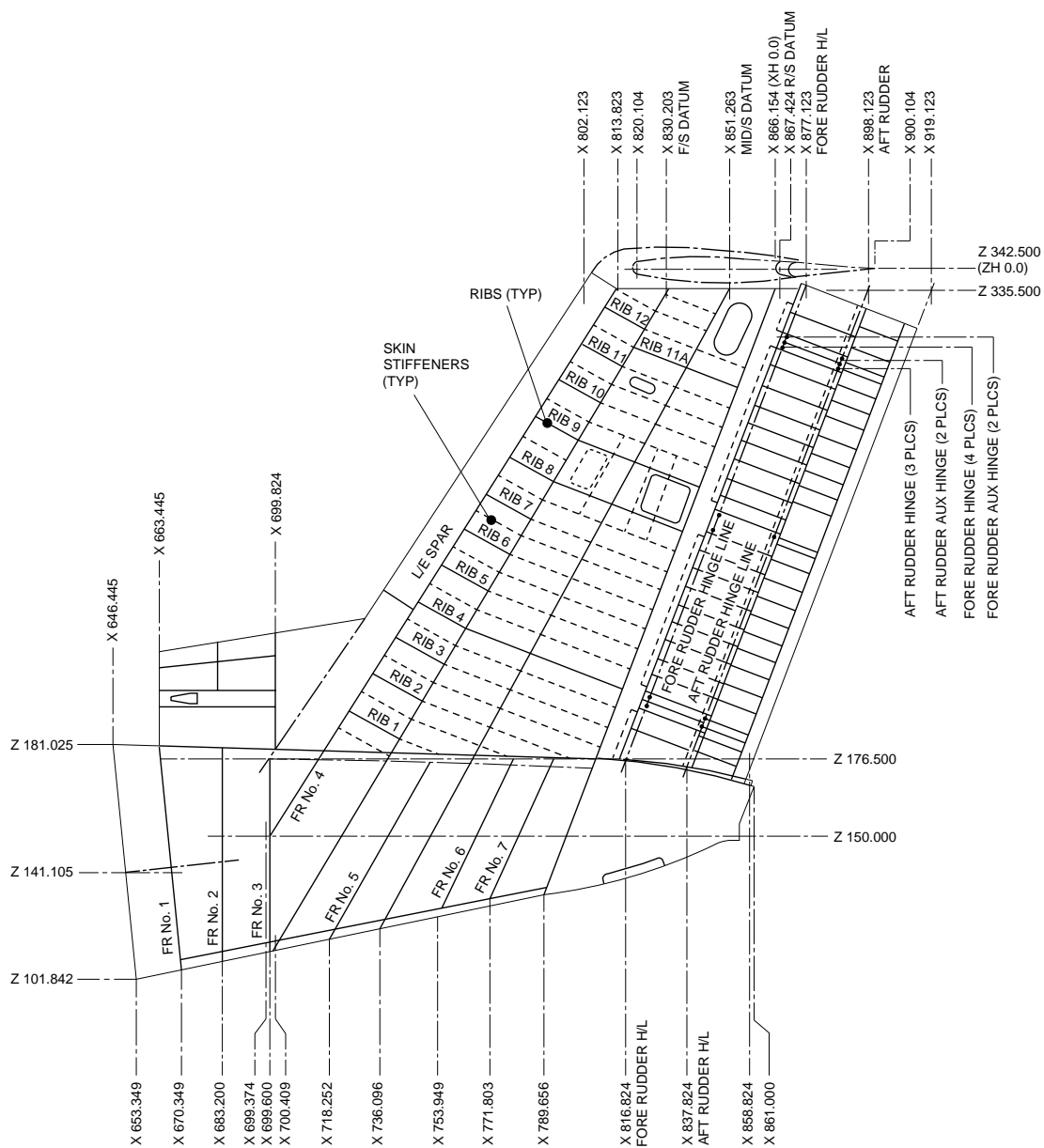


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Fuselage Stations Diagram
Figure 2 (Sheet 2 of 3)

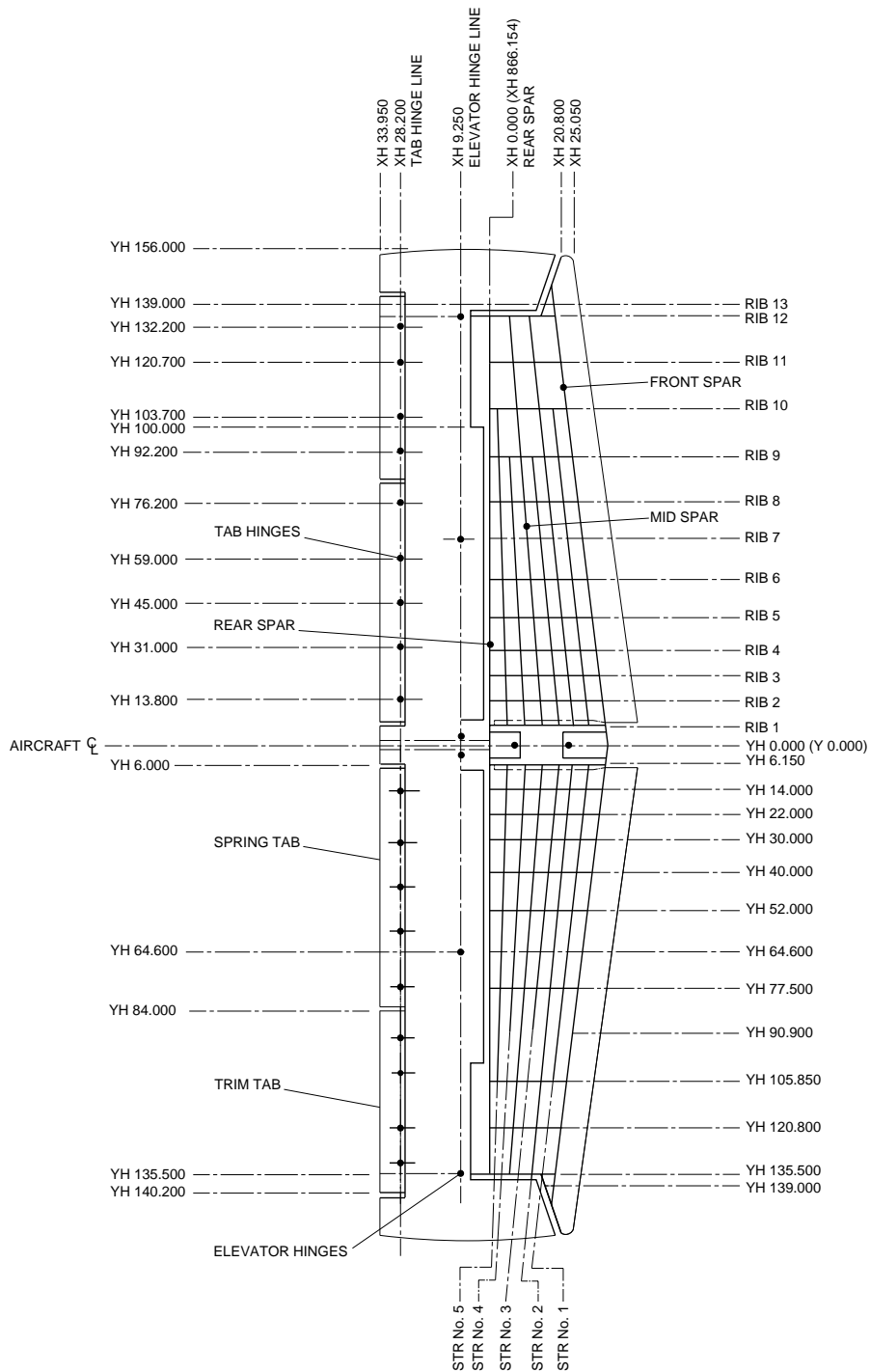


Fuselage Stations Diagram
Figure 2 (Sheet 3 of 3)



Stabilizer Stations Diagram
Figure 3 (Sheet 1 of 2)

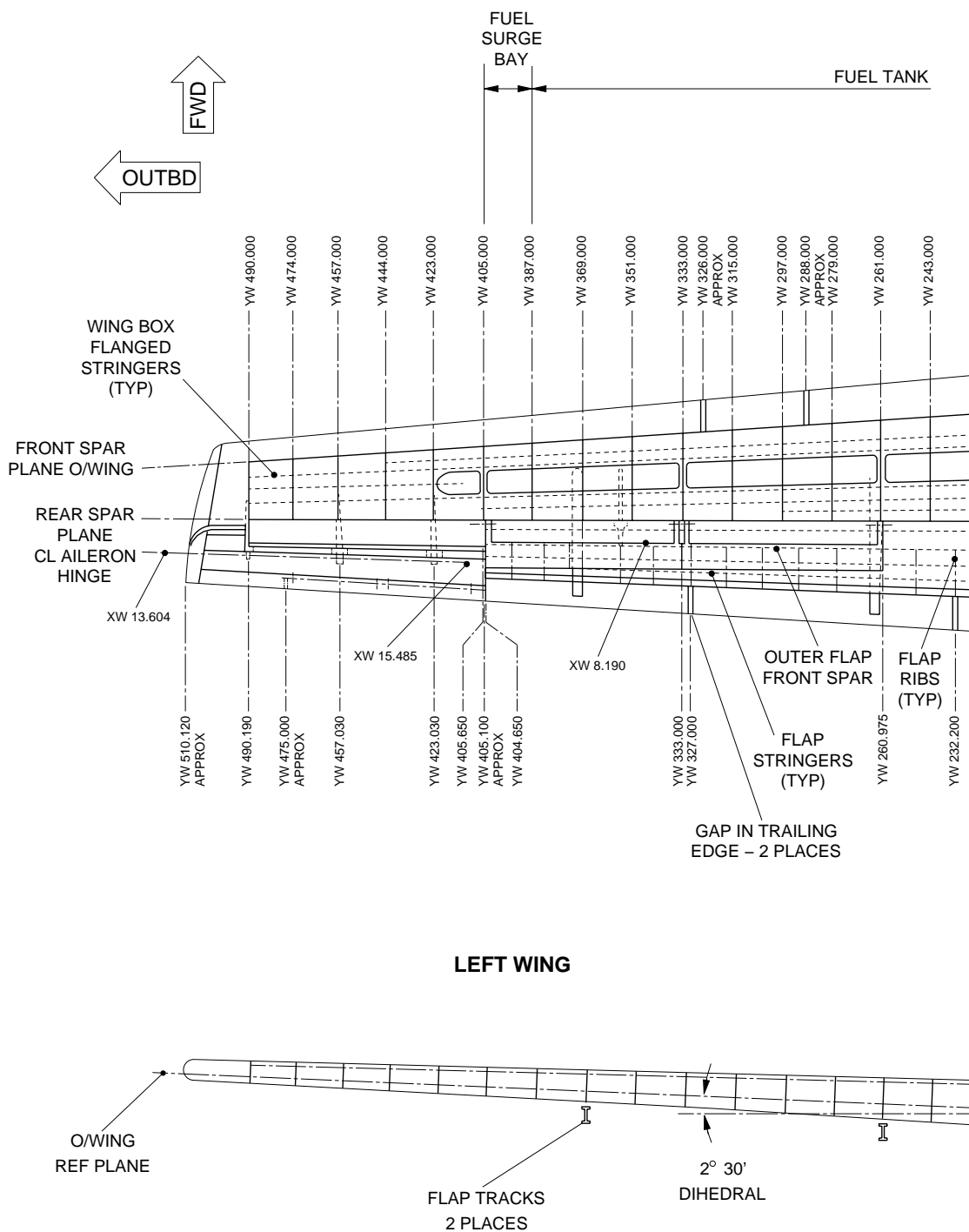
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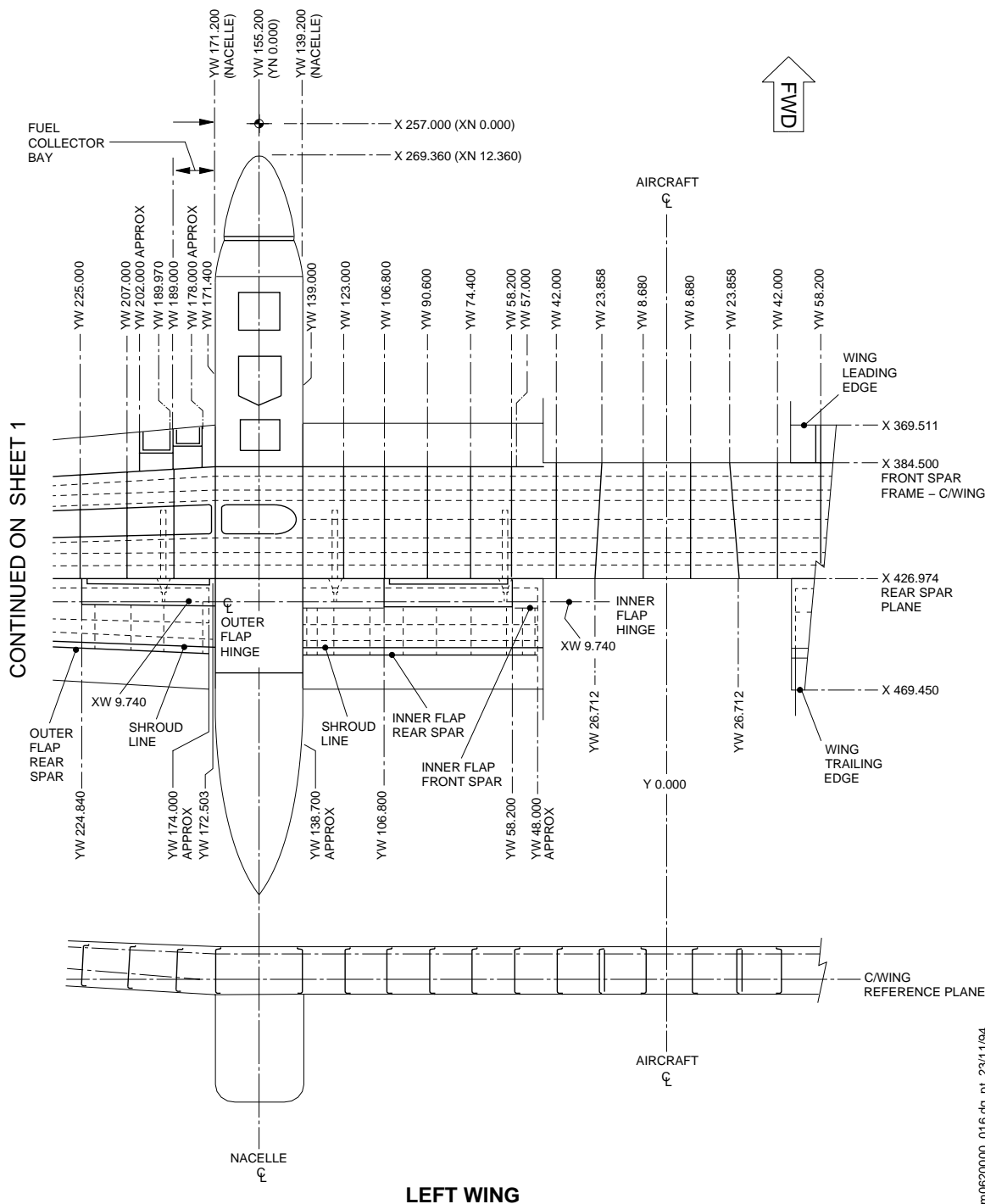
Stabilizer Stations Diagram
Figure 3 (Sheet 2 of 2)

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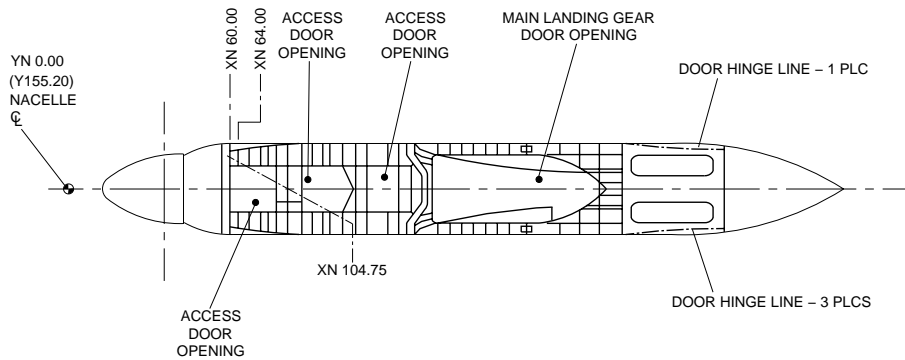
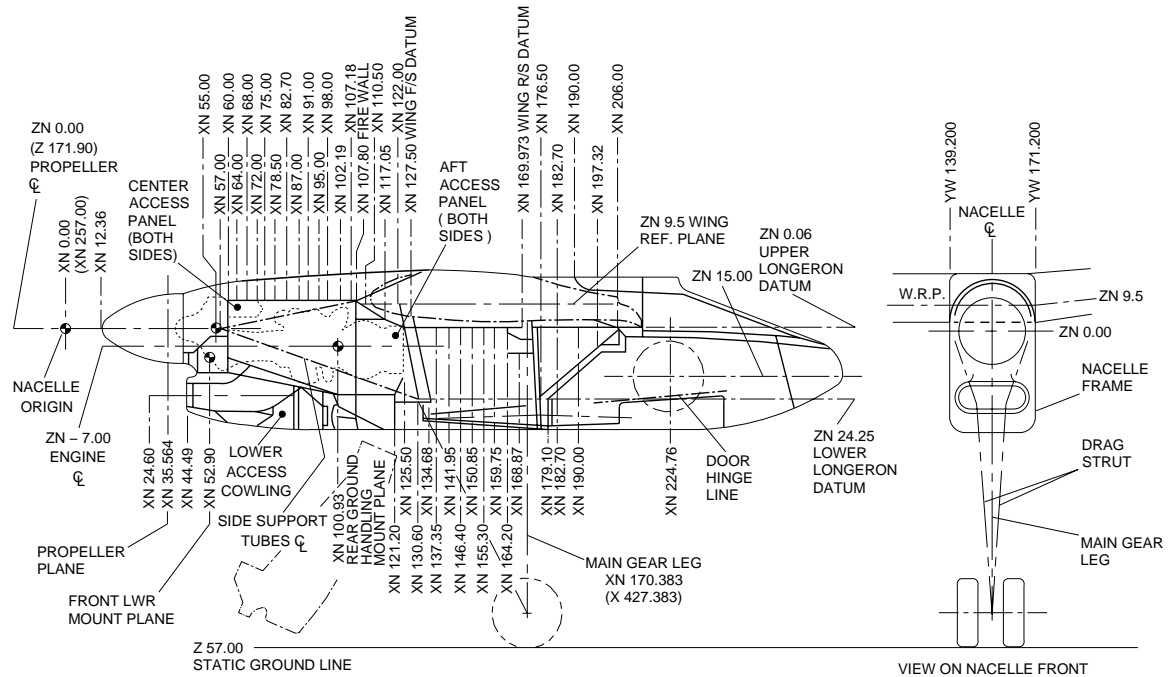
Wing Stations Diagram
Figure 4 (Sheet 1 of 2)



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Wing Stations Diagram
Figure 4 (Sheet 2 of 2)

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Nacelle Stations Diagram
Figure 5



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AIRCRAFT ZONES – DESCRIPTION

1. General

- A. The aircraft zoning system provides positive identification of areas in the aircraft as follows:
- Major zones
 - Major sub-zones
 - Zones.

2. Description

A. Major Zones

Refer to Figure 1.

- (1) The aircraft is divided into eight major zones identified as follows:

MAJOR ZONES	DESCRIPTION
100	Lower half of the fuselage
200	Upper half of the fuselage
300	Empennage
400	Power plant and nacelles
500	Left wing
600	Right wing
700	Landing gear and landing gear doors
800	Doors

B. Major Sub-Zones

- (1) The major sub-zones are subdivisions of the major zones using the second digit of the major zone number, for example, the major zone 100, lower fuselage is divided into major sub-zones 110, 120, 130 and 140.

C. Zones

- (1) The major sub-zones are further divided into zones using the third digit of the major zone number, for example, the major sub-zone 120, flight compartment under floor area X 97.00 to X 182.00 is divided into zones 121 and 122.

D. Sub-Zones/Zones 100 – Lower Fuselage

Refer to Figure 2.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 110	Radome and nose compartment sta. X43.00 to sta. X110.00
Zone 111	Radome sta. X43.00 to X66.00
Zone 112	Nose compartment R.H. under floor X66.00 to X110.00
Zone 113	Nose compartment L.H. under floor X66.00 to X110.00



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SUB-ZONES/ZONES	DESCRIPTION
Zone 114	N.L.G. wheel well
Major Sub-Zone 120	Flight compartment, under floor area sta. X110.00 to X182.00
Zone 121	Under floor L.H.
Zone 122	Under floor R.H.
Major Sub-Zone 130	Fuselage under floor area sta. X182.00 to X424.12
Zone 131	Under floor cabin L.H.
Zone 132	Under floor cabin R.H.
Zone 133	Under floor cabin center
Major Sub-Zone 140	Fuselage, under floor sta. X424.12 to X653.34 (Including pressure dome)
Zone 141	Under floor cabin L.H.
Zone 142	Under floor cabin R.H.
Zone 143	Under floor cabin center
Zone 144	Under floor, rear cargo forward
Zone 145	Under floor, rear cargo, rear

E. Sub-Zones/Zones 200 – Upper Fuselage

Refer to Figure 3.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 210	Upper fuselage sta. X66.00 to sta. X182.00
Zone 211	Flight compartment, above floor sta. X110.00 to X182.00
Zone 212	Nose compartment, above floor sta. X 66.00 to X110.00
Major Sub-Zone 220	Fuselage sta. X182.00 to sta. X240.50
Zone 221	Avionics shelves L.H. X182.00 to X199.25
Zone 222	Lavatory R.H. X182.00 to X212.50 (approximately).
Zone 223	Wardrobe L.H. X199.25 to X219.25
Zone 224	Galley R.H. X212.50 to X237.50
Zone 225	Electrical boxes L.H. X182.00 to X220.00 (approximately).
Major Sub-Zone 230	Fuselage sta. X182.00 to sta. X424.12
Zone 231	Cabin floor to top of sidewall L.H.
Zone 232	Cabin floor to top of sidewall R.H.
Zone 234	Cabin roof R.H.
Zone 235	Cabin roof, center
Major Sub-Zone 240	Fuselage sta. X424.12 to sta. X545.50
Zone 241	Cabin floor to top of sidewall L.H.
Zone 242	Cabin floor to top of sidewall R.H.
Zone 243	Cabin roof L.H.



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SUB-ZONES/ZONES	DESCRIPTION
Zone 244	Cabin roof R.H.
Zone 245	Cabin roof, center
Major Sub-Zone 250	Fuselage sta. X545.50 to sta. X653.34 (including pressure dome)
Zone 251	Rear baggage compartment
Major Sub-Zone 260	Wing-to-fuselage fairings
Zone 261	Forward root fairing, forward of front spar sta. X387.35
Zone 262	Rear root fairings, rear of rear spar sta. X424.12
Zone 263	Left hand root fairing, X387.35 to X424.12
Zone 264	Right hand root fairing, X387.35 to X424.12

F. Sub-Zones/Zones 300 – Empennage

Refer to Figure 4.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 310	Rear fuselage sta. X653.34 to sta. X861.00
Zone 311	Rear fuselage sta. X653.34 to X807.12
Zone 312	Rear fuselage sta. X807.12 to X861.00
Major Sub-Zone 320	Vertical stabilizer and rudder assembly
Zone 321	Vertical stabilizer leading edge
Zone 322	Vertical stabilizer, between front and rear spars (Including trailing edge shroud)
Zone 323	Fore rudder
Zone 324	Trailing rudder
Zone 325	Fairing
Major Sub-Zone 330	Horizontal Stabilizer and elevator assembly L.H. sta. XH 0.00 to XH 33.95
Zone 331	Stabilizer leading edge
Zone 332	Stabilizer between front and rear spar
Zone 333	Elevator
Zone 334	Elevator trim tap
Zone 335	Elevator spring tab
Major Sub-Zone 340	Horizontal stabilizer and elevator R.H. sta. XH 0.00 to XH 33.95
Zone 341	Stabilizer leading edge
Zone 342	Stabilizer between front and rears spars
Zone 343	Elevator
Zone 344	Elevator trim tab
Zone 345	Elevator spring tab
Major Sub-Zone 350	Dorsal fairing sta. X503.50 to X653.34
Zone 351	Tunnel



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SUB-ZONES/ZONES	DESCRIPTION
Zone 352	Dorsal fairing

G. Sub-Zones/Zones 400 – Power Plant and Nacelles

Refer to Figure 5.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 410	Engine and nacelle L.H.
Zone 411	Propeller
Zone 412	Top structure including area between firewall and wing front spar
Zone 413	Forward side cowling L.H. O/B
Zone 414	Forward side cowling R.H. I/B
Zone 415	Rear side cowling L.H. O/B
Zone 416	Rear side cowling R.H. I/B
Zone 417	Bottom cowling
Zone 418	Engine No. 1
Zone 419	Nacelle rear section including exhaust pipe and shrouds
Major Sub-Zone 420	Engine and nacelle R.H.
Zone 421	Propeller
Zone 422	Top structure including area between firewall and wing front spar
Zone 423	Forward side cowling L.H. O/B
Zone 424	Forward side cowling R.H. I/B
Zone 425	Rear side cowling L.H. O/B
Zone 426	Rear side cowling R.H. I/B
Zone 427	Bottom cowling
Zone 428	Engine No. 2
Zone 429	Nacelle rear section including exhaust pipe and shrouds

H. Sub-Zones/Zones 500 – Left Wing

Refer to Figure 6.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 510	Leading edge sta. YW 45.00 to sta. YW 490.00
Zone 511	Area between fuselage and No.1 engine
Zone 512	Area between No. 1 engine and sta. YW288.00
Zone 513	Area between sta. YW 288.00 and YW 490.00
Major Sub-Zone 520	Wing box area sta. YC 00.00 to sta. YW 510.00
Zone 521	Area sta. YC 0.00 to YW 45.00 including No. 1 flap track
Zone 522	Area sta. YW 45.00 to YW 139.00

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SUB-ZONES/ZONES	DESCRIPTION
Zone 523	Area sta. YW139.00 to YW 171.00 including #2 and #3 flap tracks
Zone 524	Area sta. YW 171.00 to YW 405.00 including #4 and #5 flap tracks
Zone 525	Area sta. YW 405.00 to YW 490.00
Zone 526	Area sta. YW 261.00 – flap track No. 4
Zone 527	Area sta. YW 369.00 – flap track No. 5
Zone 528	Wing tip YW 490.00 to YW 510.00
Major Sub-Zone 530	Trailing edge shroud sta. YW 45.00 to sta. YW 490.00
Zone 531	Area sta. YW 45.00 to YW 139.00
Zone 532	Area sta. YW 171.00 to YW 490.00
Zone 533	Inner ground spoiler
Zone 534	Outer ground spoiler
Zone 535	Inner roll spoiler
Zone 536	Outer roll spoiler
Major Sub-Zone 540	Wing flaps and ailerons, sta. YW 45.00 to sta. YW 510.00
Zone 541	Flap inboard
Zone 542	Flap outboard
Zone 543	Aileron L.H.
Zone 544	Aileron tab L.H.

I. Sub-Zones/Zones 600 – Right Wing

Refer to Figure 7.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 610	Leading edge sta. YW 45.00 to sta. YW 490.00
Zone 611	Area between fuselage and No. 2 engine
Zone 612	Area between No. 2 engine and sta. YW 288.00
Zone 613	Area between sta. YW 288.00 and YW 490.00
Major Sub-Zone 620	Area sta. YC 0.00 to YW 510.00
Zone 621	Area sta. YC 0.00 to YW 45.00 including No. 1 flap track
Zone 622	Area sta. YW 45.00 to YW 139.00
Zone 623	Area sta. YW 139.00 to YW 171.00 including No. 2 and 3 flap tracks
Zone 624	Area sta. YW 171.00 to YW 405.00 including No. 4 and 5 flap tracks
Zone 625	Area sta. YW 405.00 to YW 490.00
Zone 626	Area sta. YW 261.00 – flap track No. 4
Zone 627	Area sta. YW 369.00 – flap track No. 5

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SUB-ZONES/ZONES	DESCRIPTION
Zone 628	Wing tip YW 490.00 to YW 510.00
Major Sub-Zone 630	Trailing edge shroud sta. YW 45.00 to sta. YW 490.00
Zone 631	Area sta. YW 45.00 to YW 139.00
Zone 632	Area sta. YW 171.00 to YW 490.00
Zone 633	Inner ground spoiler
Zone 634	Outer ground spoiler
Zone 635	Inner roll spoiler
Zone 636	Outer roll spoiler
Major Sub-Zone 640	Wing flaps, and ailerons sta. YW 45.00 to sta. YW 501.00
Zone 641	Flap inboard
Zone 642	Flap outboard
Zone 643	Aileron R.H.
Zone 644	Aileron tab R.H.

J. Sub-Zones/Zones 700 – Landing Gear and Doors

Refer to Figure 8.

SUB-ZONES/ZONES	DESCRIPTION
Major Sub-Zone 710	Nose gear and doors
Zone 711	Nose gear
Zone 712	Forward side door R.H.
Zone 713	Forward side door L.H.
Zone 714	Rear door R.H.
Zone 715	Rear door L.H.
Major Sub-Zone 720	Main gear and doors L.H.
Zone 721	Main gear
Zone 722	Forward door
Zone 723	Mid door
Zone 724	Rear door R.H.
Zone 725	Rear door L.H.
Major Sub-Zone 730	Main gear and doors R.H.
Zone 731	Main gear
Zone 732	Forward door
Zone 733	Mid door
Zone 734	Rear door R.H.
Zone 735	Rear door L.H.

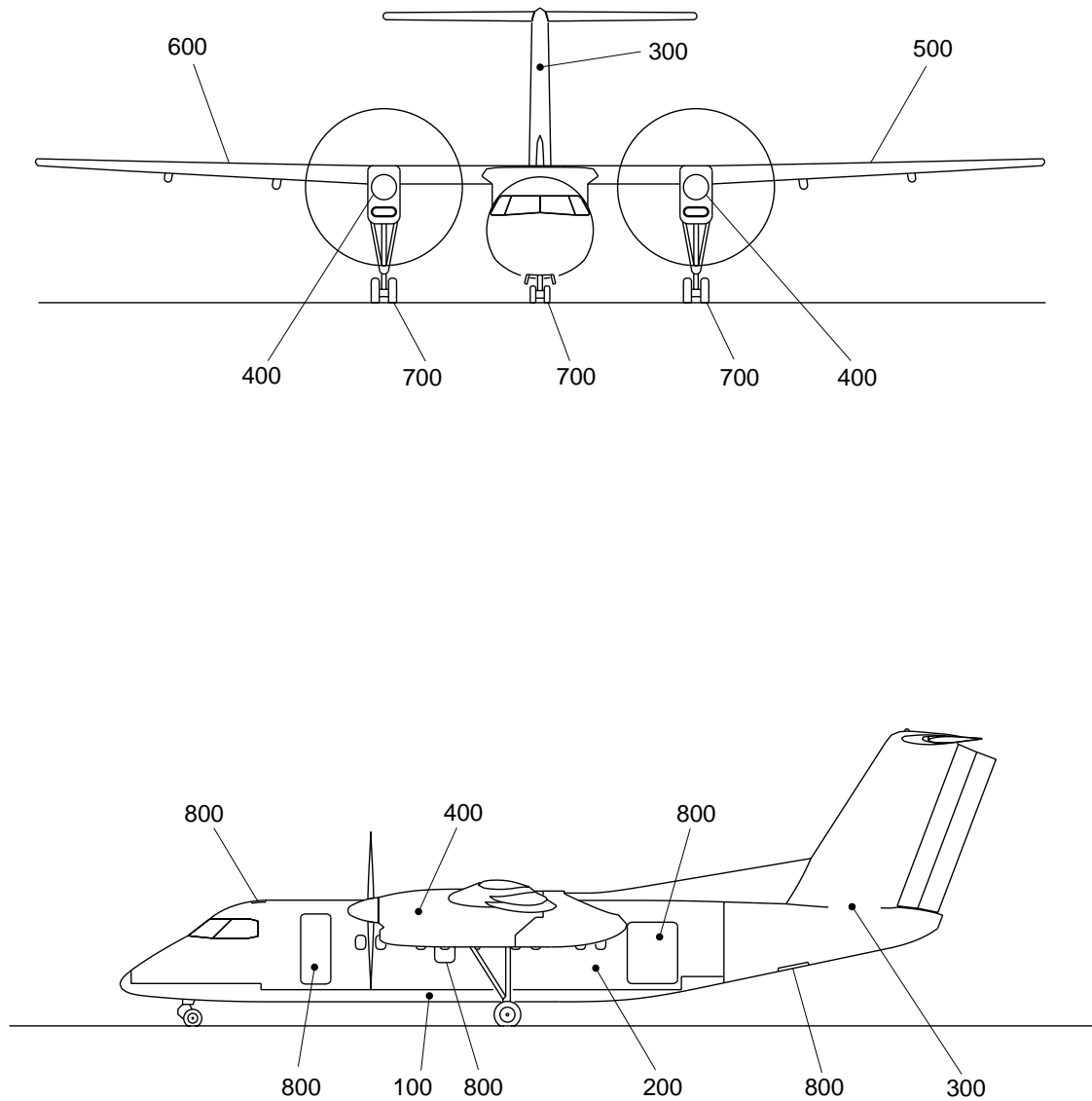
K. Sub-Zones/Zones 800 – Doors

Refer to Figure 9.



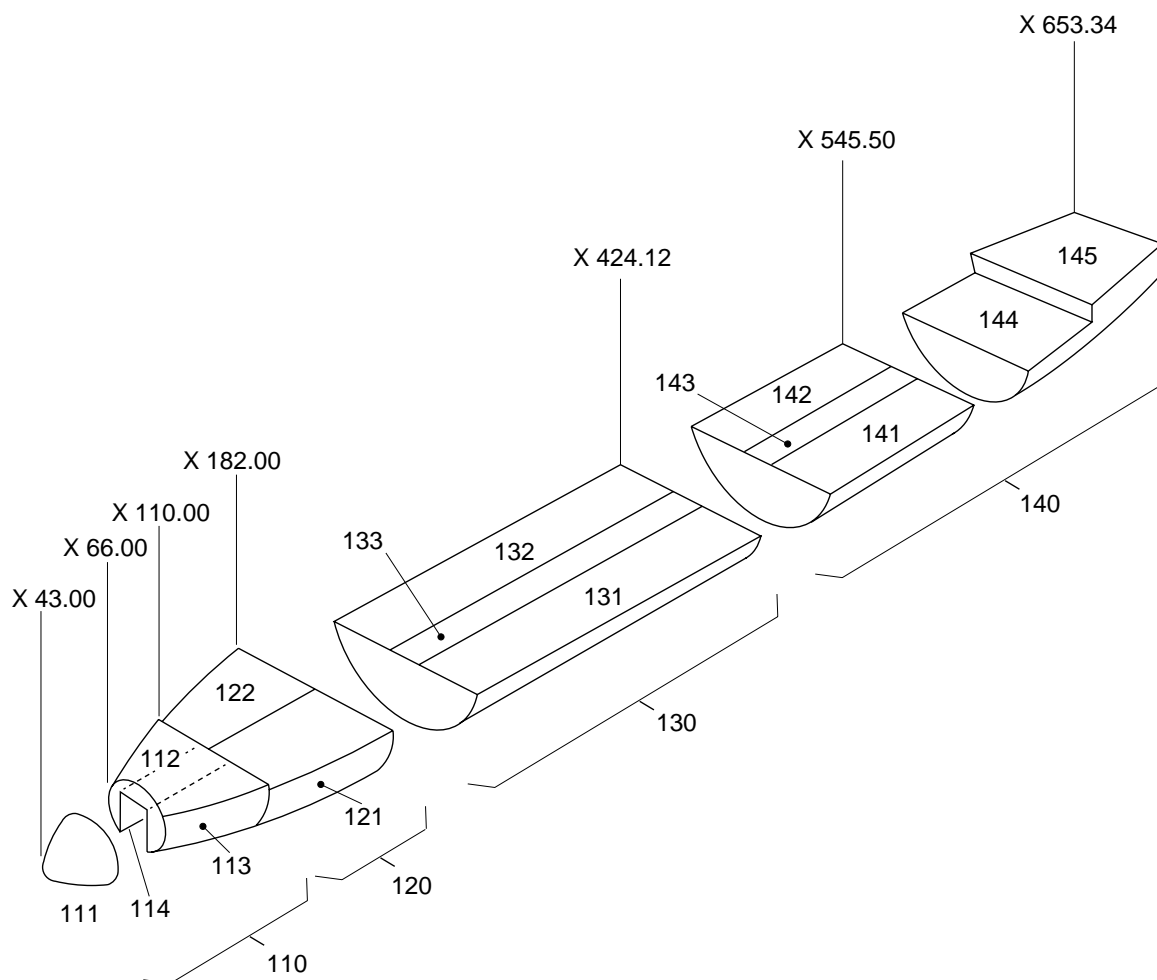
AIRCRAFT MAINTENANCE MANUAL

SUB-ZONE/ZONES	DESCRIPTION
Major Sub-Zone 820	Fuselage doors
Zone 821	Flight compartment escape hatch
Zone 822	Emergency exit, fwd. R.H.
Zone 823	Passenger door
Zone 824	Emergency exit, mid R.H.
Zone 825	Emergency exit, mid L.H.
Zone 826	Baggage compartment door

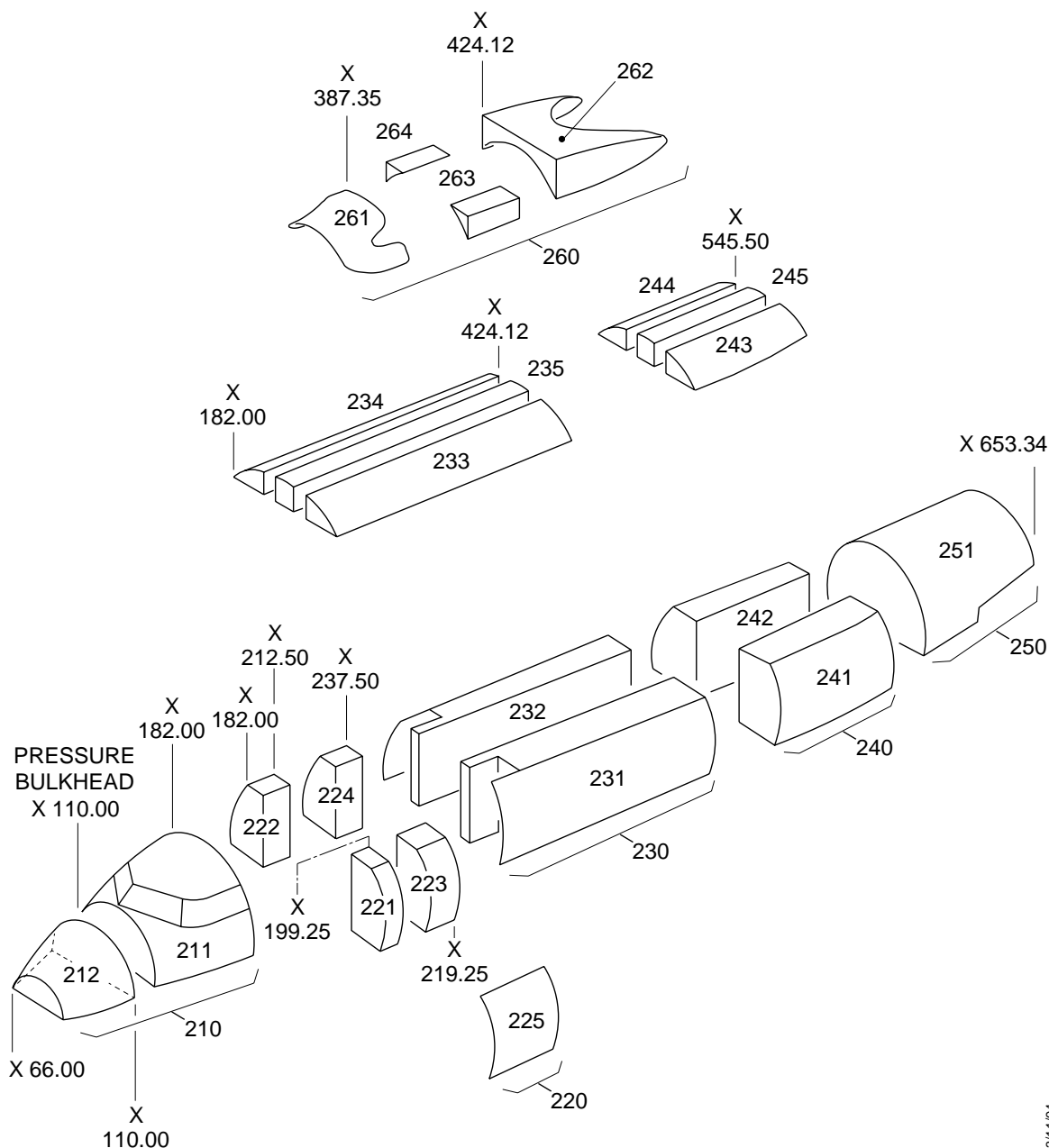


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Major Zones – General
Figure 1

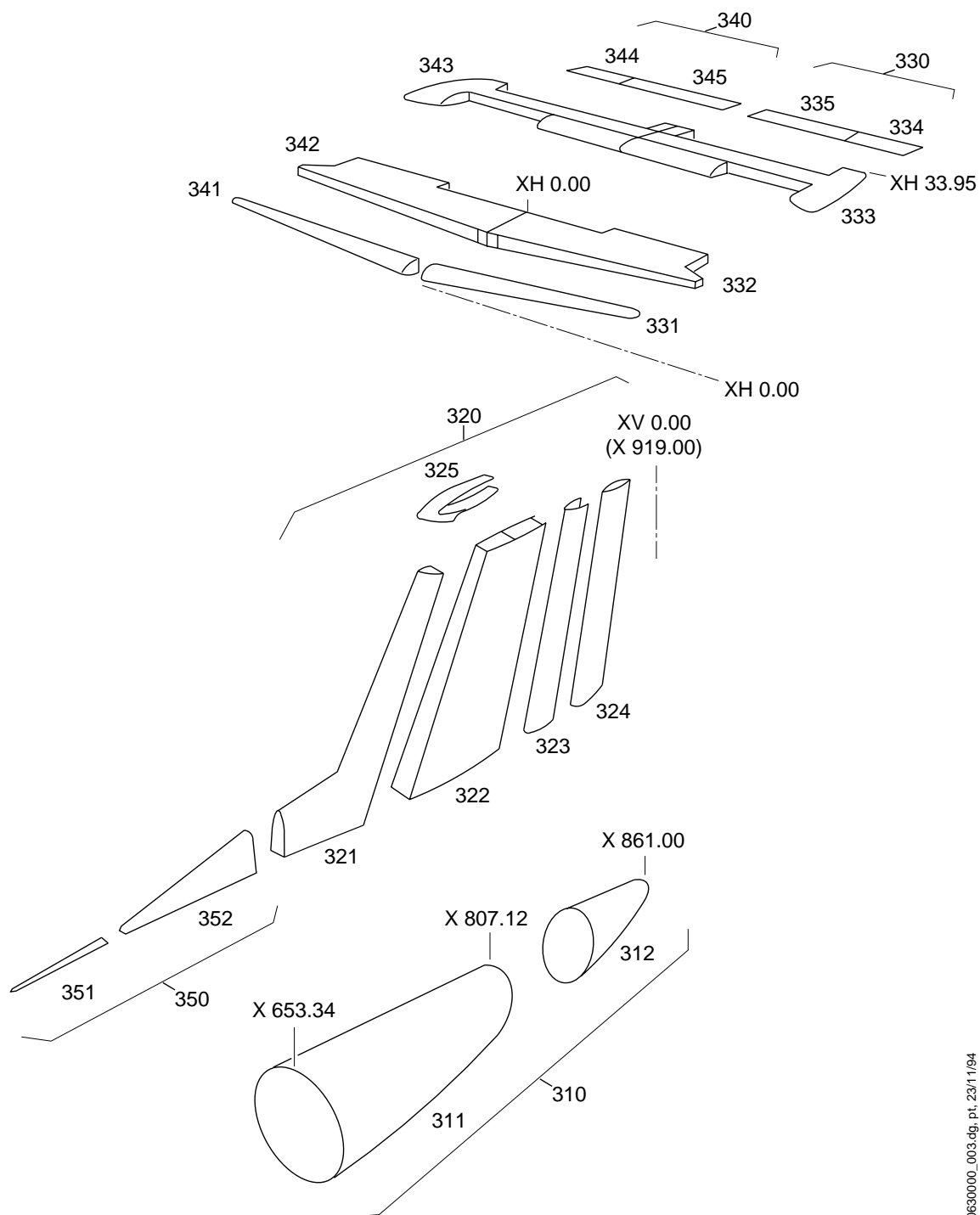


Zones 100 – Lower Fuselage
Figure 2



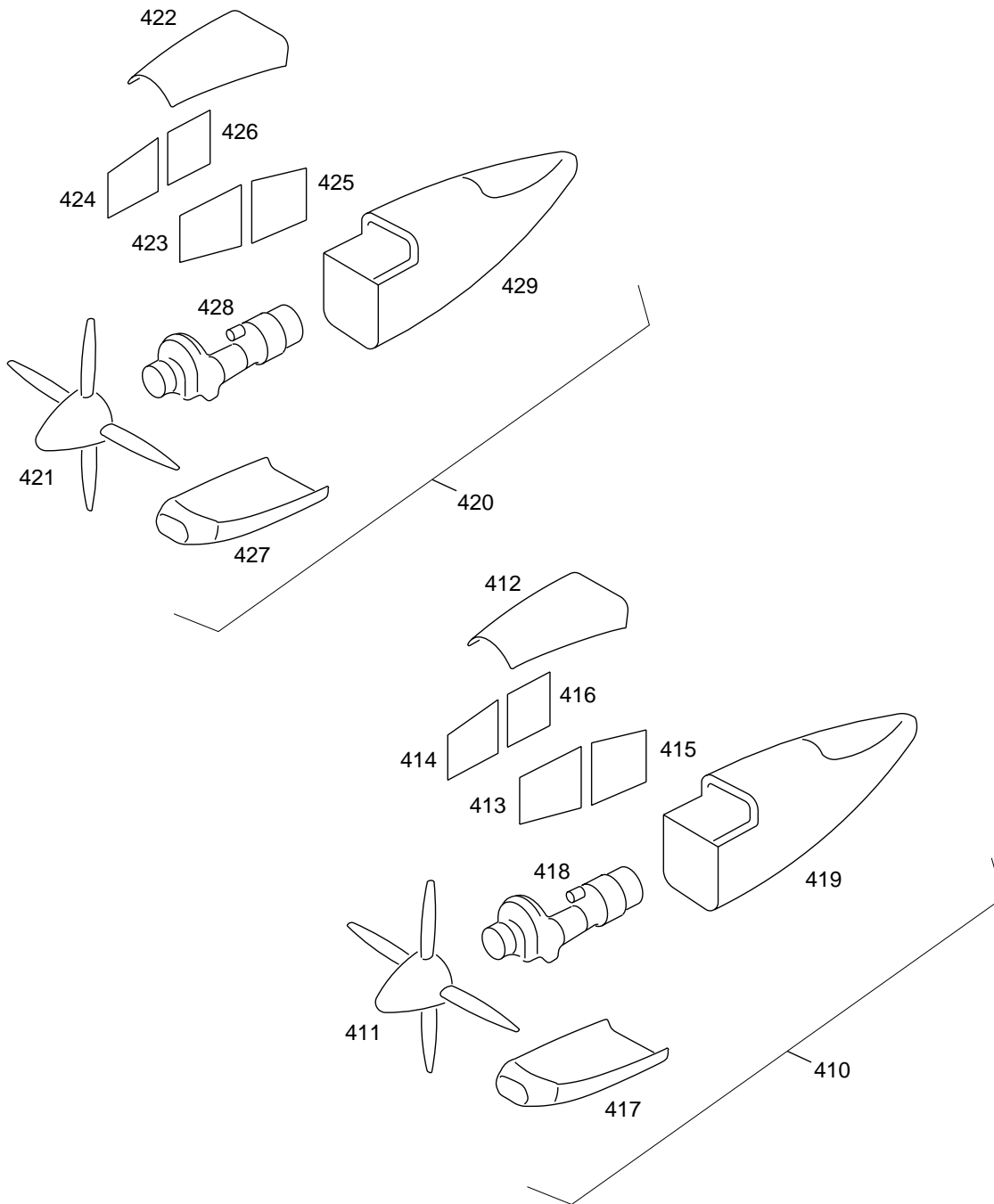
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Zones 200 – Upper Fuselage
Figure 3



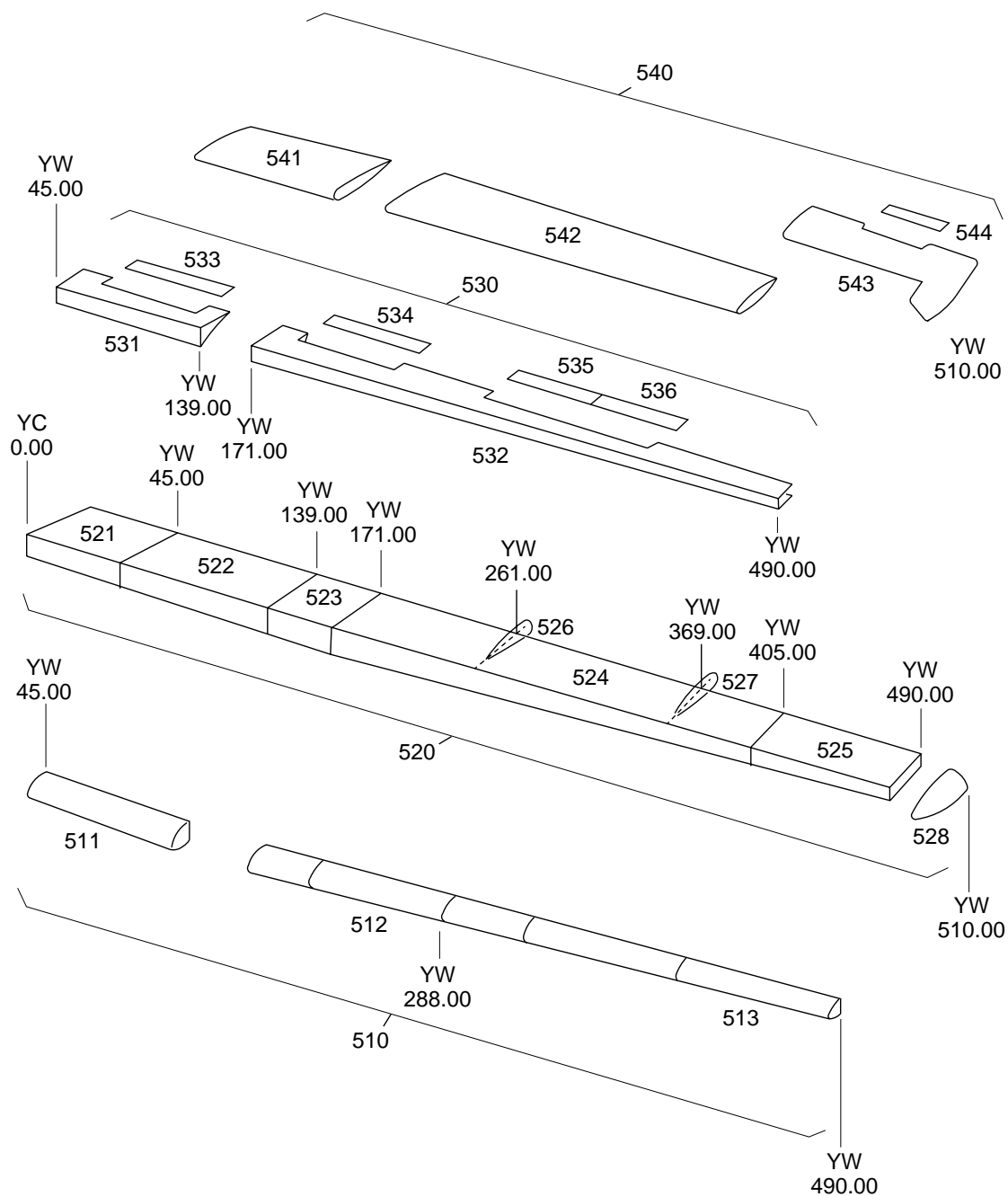
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Zones 300 – Empennage
Figure 4



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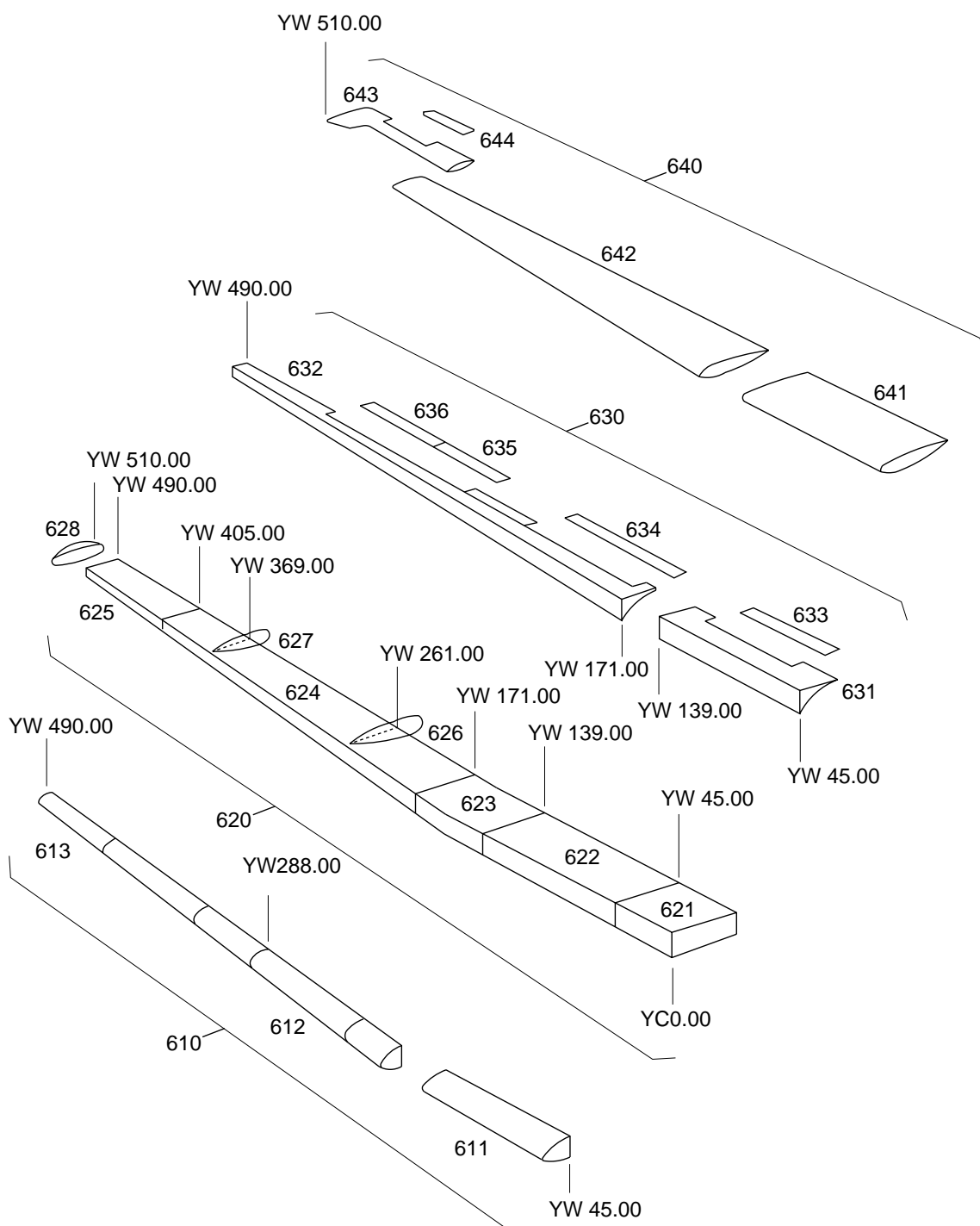
Zones 400 – Power Plant and Nacelles
Figure 5



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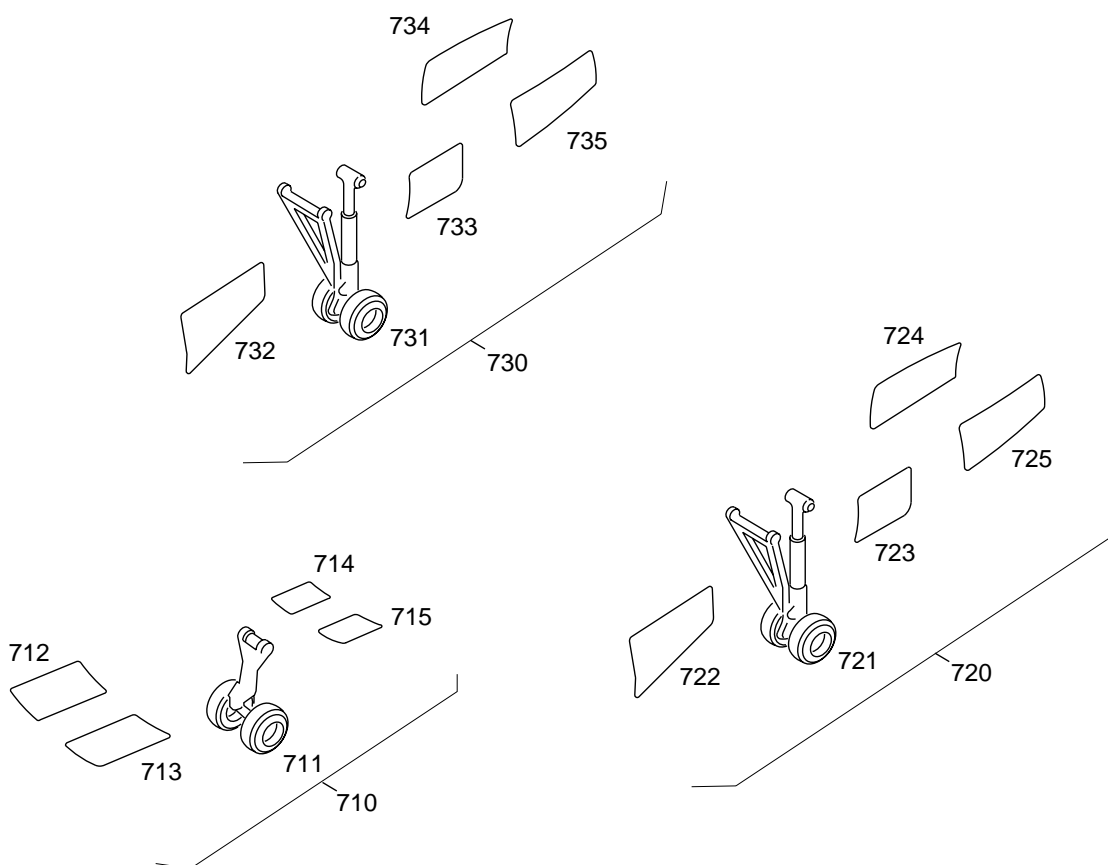
Zones 500 – Left Wing
Figure 6

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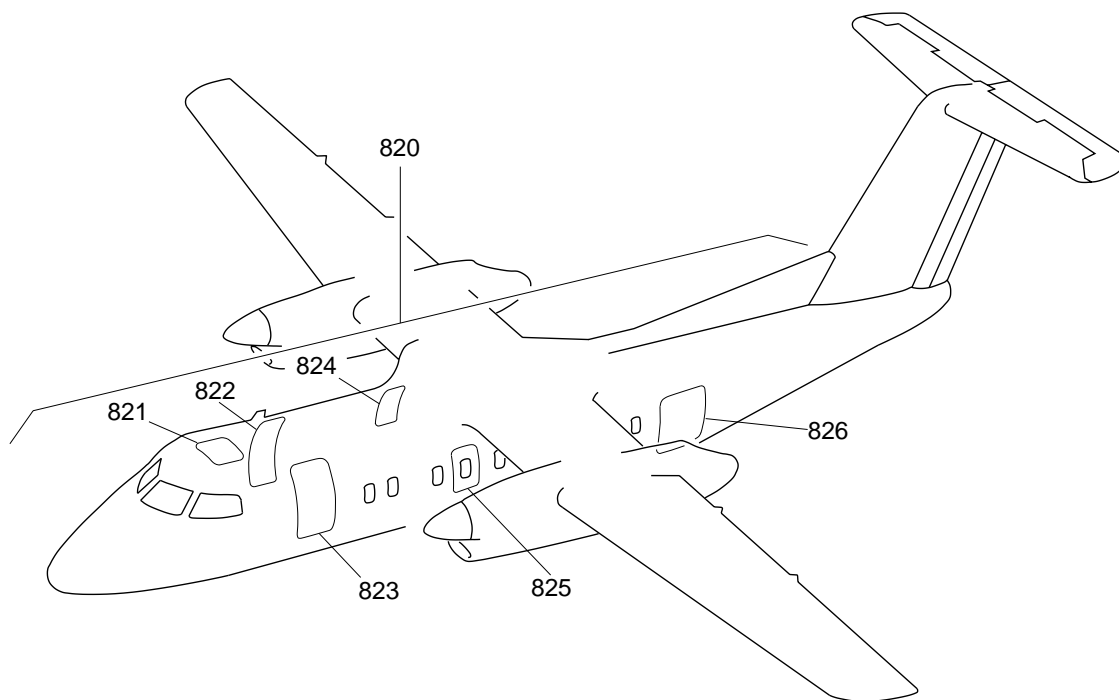


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Zones 600 – Right Wing
Figure 7



Zones 700 – Landing Gear and Landing Gear Doors
Figure 8



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Zones 800 – Doors
Figure 9



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**ON A/C ALL

ACCESS PANELS AND DOORS – DESCRIPTION

1. General

- A. This section contains the description of the identification code of various access panels and doors that are on the exterior and interior of the aircraft. Each access panel and door on the aircraft is given an identification alphanumeric code number.
- B. For this chapter, the interior furnishing panels and floor panels are also regarded as access panels. The external and internal access panels and doors are given in two sections as follows:
 - External Access Panels and Doors, (Ref. 06–41–00)
 - Internal Access Panels and Doors, (Ref. 06–43–00).

2. Description

A. Identification Code Number

- (1) Each access panel is identified in relation to the aircraft zone in which the panel or door is located. The identification code for each panel and door consists of a three digit zone number followed by two letters as follows:
 - 322CL
 - (a) The first letter (given in alpha sequence), determines the position of panels in the zone, as follows:
 - C = The third letter in the alpha sequence.
 - (b) The second letter indicates the location of the access, as follows:
 - T = top
 - B = bottom
 - L = left
 - R = right
 - Z = internal.
- (2) The identification code number for the access panel – 322CL is as follows:
 - 322 = Zone 322 of the vertical stabilizer between front and rear spars
 - C = The third access panel or door within Zone 322
 - L = On the left side of the vertical stabilizer.

**ON A/C ALL

ACCESS PANELS AND DOORS (EXTERNAL) – DESCRIPTION

1. General

A. This section contains description and location of the access panels and doors on the external surfaces of the aircraft.

2. Description

A. Front Fuselage – Panels and Doors

(1) The list of code numbers for the access panels and doors that are located on the front fuselage of the aircraft are as follows:

Refer to Figure 1.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
111AT	Radome	Weather radar antenna, VOR/Localize antenna, glide slope antenna
112AR	Panels	Crew oxygen bottle, oxygen lines, nose wheel steering electronic control unit, hydraulic lines
112BR		Crew manifold, nose gear doors solenoid sequence valve, emergency reservoir (main gear extend)
113AL		Battery
121AL		Brake linkage, rudder control interconnect push rod, rudder input quadrant, rudder pedal adjustment mechanism, rudder control cables
121BL		Roll spoiler quadrant, roll spoiler control cables, roll interconnect torque tube, elevator output quadrant, pitch disconnect clutch, pitch disconnect cable, gust lock quadrant, gust lock control cables, power lever lay shaft, power lever limit switches, condition lever lay shaft, condition lever limit switches, engine control cables, electrical wiring, engine intake adapter heater and elevator horn heater thermostats
122AR		Brake linkage, rudder input quadrant, rudder pedal adjustment mechanism, rudder control cables, rudder restriction mechanism
122BR		Aileron quadrant, aileron servo, aileron control cables, roll disconnect clutch, roll disconnect cables, elevator output quadrant, elevator trim chain and cable assembly, power lever lay shaft, power lever limit switches, condition lever limit switches, engine control cables, electrical wiring
212AL	Doors	Transformer/rectifier units, pilot's wiper motor, dc contactor box
212BR		Copilot's wiper motor, flight compartment fan, nose landing light, windshield washer reservoir

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B. Center Fuselage – Panels

- (1) The list of code numbers for the access panels and doors on the center fuselage of the aircraft are as follows:

Refer to Figure 2.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
132AR	Panels	Toilet servicing panel
261QR		Inspection panels
261RL		Inspection panels
262QL		Inboard flap track
262RR		Inboard flap track
263AL		Deicing lines, electrical wiring
263BL & 263CL		Brake control valves, hydraulic lines, deice lines, deice line moisture drain plug
263DL		Hydraulic lines
263EL, 263FL		Fire extinguisher cartage
264AR		Deicing lines, electrical wiring
264BR		Brake control valve, hydraulic lines, deicing lines, deice line moisture drain plug (elevator)
264CR		Landing gear selector valve, hydraulic lines, deice lines
264DR		Hydraulic lines
351AT, 351BT, 352AL, 352BL, 352CL, 352CR, 352DR		Bleed air duct, hydraulic lines, deice lines, gust lock cable (elevator)

C. Wing/Fuselage – Fairings

- (1) The list of code numbers for the fairings that are located on top of the wing/fuselage section of the aircraft is as follows:

Refer to Figure 3.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
261AT		Inspection panels
261BT		Inspection panels
261DT		Bleed air pipe, bleed air over temperature switch, deice pressure transducer, deice lines, engine control cables, electrical wiring
261ET		Inspection panels
261FT		Inspection panels
261GT		Engine control cables, bleed air pipe
261HT		Inspection panel
261JT		Deice isolate valve, engine control cables, bleed air pipe
261KT		Inspection panels

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
261LT	Panels	Inspection panels
261MT		Inspection panels
261NT		Bleed air pipe, bleed air over temperature switch, deice pressure transducer, deice lines, engine control cables, electrical wiring
262AT		Spoiler splitter clutch quadrant, flap drive shaft, aileron and spoiler control cables, fuel line, hydraulic lines, ground spoiler selector solenoid valves
262BT		Inspection panel
262CT		Inspection panel
262DT		Fire extinguisher bottles, fire extinguisher discharge cartridges, fire extinguisher distribution lines, hydraulic lines
262ET		Inspection panel
262FT		Inspection panel
262GT		Inspection panel
262HT		Inspection panel
262JT		Bleed air pipe, aileron and spoiler control cables
262KT		Bleed air pipe, gust lock control cables
262LT		Flap power unit, aileron splitter quadrant, flap drive shaft, aileron and spoiler
262MT		Inspection panel
262NT		Inspection panel
262PT		Hydraulic lines, fuel lines, deice lines
262QT		Inspection panel
262RT		Inspection panel
262ST		Inspection panel
262TT		Inspection panel

D. Vertical Stabilizer and Aft Fuselage – Panels and Doors

- (1) The list of code numbers for the access panels and doors that are located on vertical stabilizer and the aft fuselage section of the aircraft are as follows:

Refer to Figure 4.

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
311AB	Door	Air cycle machine, heat exchanger, condenser/mixer, pack temperature control valves, temperature trim valves, compressor discharge over-temperature switch, deice system distributor valves, water separators, drains, heated drains, No. 2 hydraulic system case drain assembly (only for aircraft with post Mod 8/2892), check valves, restriction, main feed lines and thermostats, hydraulic lines, elevator trim servo, rudder control cables, normal outflow valve, cockpit voice recorder, flight data recorder
311BZ	Panels	Inspection panels
311CB		Inspection panels
312AB		Inspection panels
321AT		Emergency locator transmitter
321BL		Inspection panel
321CL		Bleed air duct, hydraulic lines, deice lines, gust lock cable
321DR		Bleed air duct, hydraulic lines, deice lines, gust lock cable
321EL		Inspection panel
321FL		Deice lines
321GT		Deice lines
321HT		Inspection panels
321JL		Inspection panels
321KR		Inspection panels
322AL		Elevator trim quadrants, elevator trim cables
322ER		Elevator trim quadrants, elevator trim cables
322BL		Inspection panels
322CL		Inspection panels
322FR		Inspection panels
322DL		Rudder actuators, yaw damper, rudder control cables
322HR		Rudder actuators, yaw damper, rudder control cables
322GR		Rudder pulley quadrant, rudder control cables
322HL		Rudder pulley quadrant, rudder control cables
322JL		Rudder pulley quadrant, rudder control cables
323AL, 323BL		Fore rudder attachments
323CL, 323DL		Fore rudder attachments
323ER, 323FR		Fore rudder attachments
323GR, 323HR		Fore rudder attachments

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
324AL, 324BL	Panels	Trailing rudder attachments
324CL, 324DL		Trailing rudder attachments
324ER, 324FR		Trailing rudder attachments
324GR, 324HR		Trailing rudder attachments
325DL, 325EL		Inspection panels
325FR, 325GR		Inspection panels
325AT		Anti collision light, deice lines, electrical wiring
325BT		Inspection panel
325CT		Elevator gust lock

E. Horizontal Stabilizer – Panels

- (1) The list of code numbers for the access panels and doors that are located on the horizontal stabilizer of the aircraft are as follows:

Refer to Figure 5.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
325AT	Panels	Anti collision light, deice lines, electrical wiring
325BT		Inspection panel
325CT		Elevator gust lock
332AT		Elevator trim tab actuator, elevator trim position transmitter, elevator trim chain/cable
332BL		Deice lines
332CL		Deice lines
333AL		Elevator mass balance, elevator horn heat
333BT		Elevator attachments
333CT		Elevator attachments
333DT		Elevator trim tab actuator attachments
333ET		Elevator attachments
333FT		Elevator attachments
333VB		Elevator attachments
333WB		Elevator attachments
333XB		Elevator trim tab actuator attachments
333YB		Elevator trim tab actuator attachments
333BBL		Elevator spring tab mechanism
333CCT		Elevator spring tab mechanism
342AT		Elevator trim tab actuator, elevator trim position transmitter, elevator trim chain/cable
342BR		Deice lines
342CR		Deice lines
343AR		Elevator mass balance, elevator horn heat
343BT		Elevator attachments

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
343CT	Panels	Elevator attachments
343DT		Elevator trim tab actuator attachments
343ET		Elevator attachments
343FT		Elevator attachments
343VB		Elevator attachments
343WB		Elevator attachments
343XB		Elevator trim tab actuator attachments
343YB		Elevator trim tab actuator attachments
343ZB		Elevator spring tab attachments
343AAT		Elevator spring tab attachments
343BBR		Elevator spring tab attachments
343CCT		Elevator spring tab attachments

F. Left Nacelle – Panels and Doors

- (1) The list of code numbers for the access panels and doors that are located on the left nacelle are as follows:

Refer to Figure 6.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
411AL	Panels	Propeller dome
412AT		Engine forward lift points, engine front top mounts, engine front side mounts, propeller deicing slip rings, propeller brush block, reduction gearbox
412BT		AC generator, hydraulic pump
412CT		High pressure compressor speed sensor, fuel pump
412DT		Pressure regulator and shutoff valve, flow control servo air filter deicing system pressure regulator, deice lines, engine control cables, electrical wiring, bleed air pipe, fuel lines, fire detection loop, hydraulic lines
412ET		Inspection panels
413AL		High pressure shutoff valve, oil pressure switch and transmitter, oil pressure regulator, oil tank gauge and filter, electronic control unit, signal conditioner unit fuel filter/heater, low pressure compressor speed sensor, fuel low pressure switch propeller control unit, AC generator, hydraulic pump, oil temperature bulb, hydromechanical fuel control unit

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
414AR	Panels	Starter-generator, fuel flow transmitter, accessory gearbox, total inlet temperature sensor, ignition exciter, engine oil pump, engine oil scavenger pumps, hydromechanical fuel control unit, over speed governor and pump
415AL, 416AR		Engine hot end, fuel injectors (nozzles), interturbine thermocouples, fire detection loop, engine rear mounts, spark igniters, fuel manifold
417AB		Oil cooler, oil tank chip detector, total inlet pressure line, ambient pressure orifice, reduction gearbox chip detector, torque compensation system, engine intake
419AT, 419BT		Inspection panels
419CT, 419DT		
419EL		Oil cooler door attachments
419FL		Landing gear attachments
419GL		
419JR		
419HR		Hydraulic service
419KR		Inspection panel

G. Right Nacelle – Panels and Doors

- (1) The list of code numbers for the access panels and doors that are located on the right nacelle are as follows:

Refer to Figure 7.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
421AR		Propeller dome
422AT		Engine forward lift points, engine front top mounts, engine front side mounts, propeller deicing slip rings, propeller brush block, reduction gearbox
422BT		AC generator, hydraulic pump
422CT		High pressure compressor speed sensor, fuel pump
422DT		Pressure regulator and shutoff valve, flow control servo, servo air filter, deicing system pressure regulator, deice lines, engine control cables, electrical wiring, bleed air pipe, fuel lines, fire detection loop, hydraulic lines
422ET		Inspection panel

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
423AL	Panels	High pressure shutoff valve, oil pressure switch and transmitter, oil pressure regulator, oil tank gauge and filler, oil pressure filter, electronic control unit, signal conditioner unit, fuel filter/heater, low pressure bleed check valve, low pressure compressor speed sensor, fuel low pressure switch, propeller control unit, AC generator, hydraulic pump, oil temperature bulb, hydromechanical fuel control unit
424AR		Starter-generator, fuel flow transmitter, accessory gearbox, total inlet temperature sensor, ignition exciter, engine oil pump, engine oil scavenger pumps, hydromechanical fuel control unit, over speed governor and pump
425AL, 426AR		Engine hot end, fuel injectors (nozzles), interturbine thermocouple, fire detection loop, engine rear mounts, spark igniters, fuel manifold
427AB		Oil cooler, oil tank chip detector, total inlet pressure line, ambient pressure orifice, reduction gearbox chip detector torque compensation system, engine intake
429AT, 429BT		Inspection panels
429CT, 429DT		Inspection panels
429EL		Oil cooler door attachments
429FL		Landing gear attachments
429HL		Landing gear attachments
429KR		Landing gear attachments
429GL		Power supply
429JL		Inspection panel
429LR		Hydraulic service
429MB		Fuel service panel

H. Left Wing – Panels

- (1) The list of code numbers for the access panels and doors that are located in the left wing (top and bottom) are as follows:

Refer to Figure 8.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
511AL		Bleed air line, deice lines, engine control cables, electrical wiring
512AL		High pressure switch, waste fuel return line, deice lines, electrical wiring, current transformer
512BL, 512CL		Landing lights
512DL		Fuel quantity system disconnect plug, deice lines, electrical wiring

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
513BL	Panels	Deice lines, electrical wiring
513CL		Deice lines, electrical wiring
521AT		Inspection panel
522AT		Long range fuel tank (if installed)
523AT		Inspection panel
524AT		Fuel tank, flow control valve, no flow pressure switch, scavenge ejector pump, fuel quantity probes, auxiliary pump, auxiliary pump pressure switch, fuel low level switch boost ejector pump
524BT		Fuel tank, fuel quantity probes
524CT		Fuel tank, surge bay, pressure relief and dump valve, pressure refueling pilot valve, vent float valve, fuel quantity probes
525AT		Inspection panel
525BB		Aileron terminal quadrant
525CB		Flux valve
525DB, 525EB, 525FB, 525GB		Inspection panel (aileron hinge)
526AB		Flap track No. 4
527AB		Flap track No. 5
528AL		Position light
528BL		Wing tip
528CB		Inspection panel
531AB		Ground spoiler actuator, flap screw jack
531BB		Flap screw jack
532AB		Fuel emergency shutoff valve, refuel/duffel/transfer shutoff valve, arming valve, flap screw jack, ground spoiler actuator
532BB		Spoiler position transmitter
532CB, 532DT		Inboard roll spoiler actuator
532DB, 532CT		Wing spoiler clutch
532EB, 532BT		Outboard roll spoiler actuator, flap screw jack
532FB		Spoiler position transmitter
532AT		Aileron terminal quadrant
541CB, 541DB		Flap track No. 1 and Flap track No. 2
541AL, 541BL		Flap screw jacks and flap attachments
542AL, 542BL		Flap screw jacks and flap attachments
542CL, 542DL		Flap screw jacks and flap attachments
542EB, 542FB		Flap screw jacks and flap attachments
542GB		Flap track No. 3
543AL		Aileron mass balance weights

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
543BL, 543CL, 543DL, 543EL	Panels	Aileron attachments, spring tab lever and spring assembly
543FL		Aileron attachments
543GB		Aileron push rod
543HB		Aileron trim tab push rod

I. Right Wing – Panels

- (1) The list of code numbers for the access panels and doors that are located on the right wing (top and bottom) are as follows:

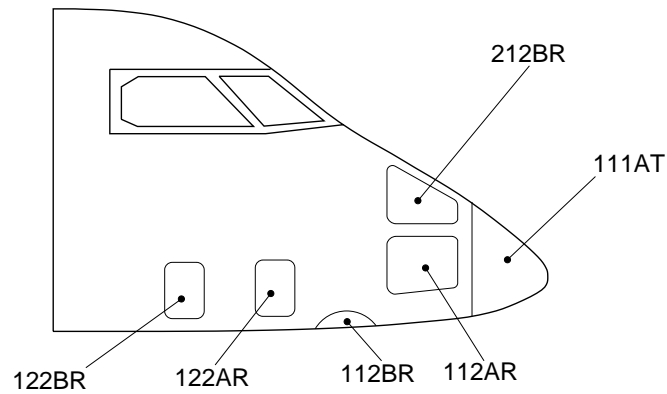
Refer to Figure 9.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
611AR	Panels	Bleed air line, deice lines, engine control cables, electrical wiring
612AR		High pressure switch, waste fuel return line, deice lines, electrical wiring, current transformer
612BR, 612CR		Landing lights
612DR		Fuel quantity system disconnect plug, deice lines, electrical wiring
613AR		Deice distributor valves, deice water separator, electrical wiring
613DB		
613BR, 613CR	Panels	Deice lines, electrical wiring
622AT		Long range fuel tanks (if installed)
623AT		Inspection panel
624AT		Fuel tank, flow control valve, no flow pressure switch, scavenge ejector pump, auxiliary pump pressure switch, fuel low level float switch, boost ejector pump
624BT		Fuel tank, fuel quantity probes
624CT		Fuel tank, surge bay pressure relief and dump valve pressure refueling quantity probes
625AT		Inspection panel
625BB		Aileron terminal quadrant, aileron position transmitter
625BB		Aileron terminal quadrant, aileron position transmitter
625CB		Flux valve
625DB, 625EB		Inspection panels (aileron hinge)
625FB, 625GB		Inspection panels (aileron hinge)
626AB		Flap track No. 4
627AB		Flap track No. 5
628AR		Position light

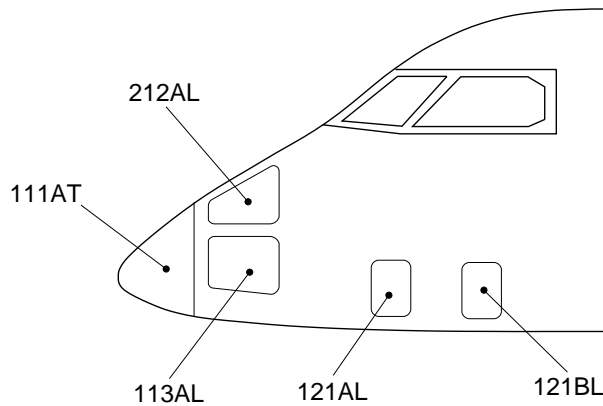
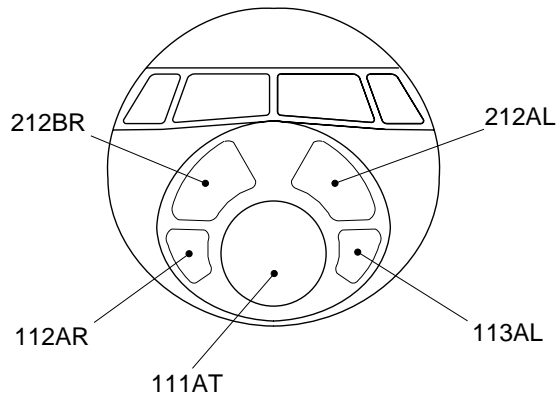
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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
628BR	Panels	Wing tip
628CB		Inspection panel
631AB		Ground spoiler actuator, flap screw jack
631BB		Flap screw jacks
632AB		Fuel emergency shutoff valve, refuel/defuel/transfer shutoff valve, pre-check valve, refuel/transfer servo valve, arming valve, flap screw jack, ground spoiler actuator.
632BB		Spoiler position transmitter
632CB		Inboard roll spoiler actuator
632DT		Inboard roll spoiler actuator
632DB		Wing spoiler clutch
632CT		Wing spoiler clutch
632EB		Outboard roll spoiler actuator, flap screw jack
632BT		Outboard roll spoiler actuator, flap screw jack
632FB		Spoiler position transmitter
632AT		Aileron terminal quadrant
641CB, 641DB	Panels	Flap screw jacks and flap attachments
642AR, 642BR		
642CR, 642DR		
642EB, 642FB		
642GB		Flap track No. 3
643AR		Aileron mass balance weights
643BR, 643CR		Aileron attachments
643DR, 643FR		Aileron attachments
643ER		Aileron trim tab actuator, aileron trim tab position potentiometer
643GB		Aileron push rod
643HB		Aileron trim tab push rod

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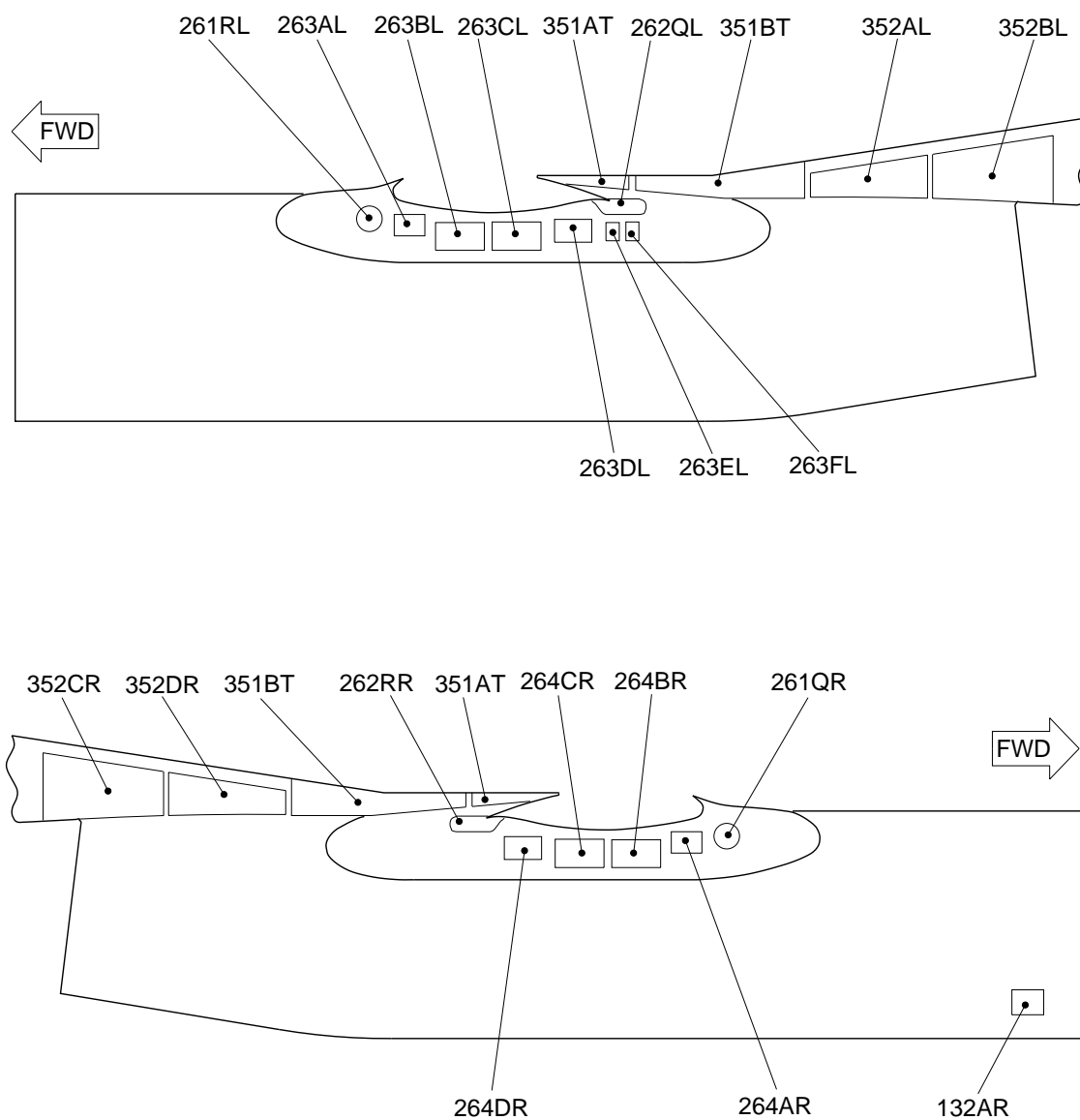
RIGHT



LEFT

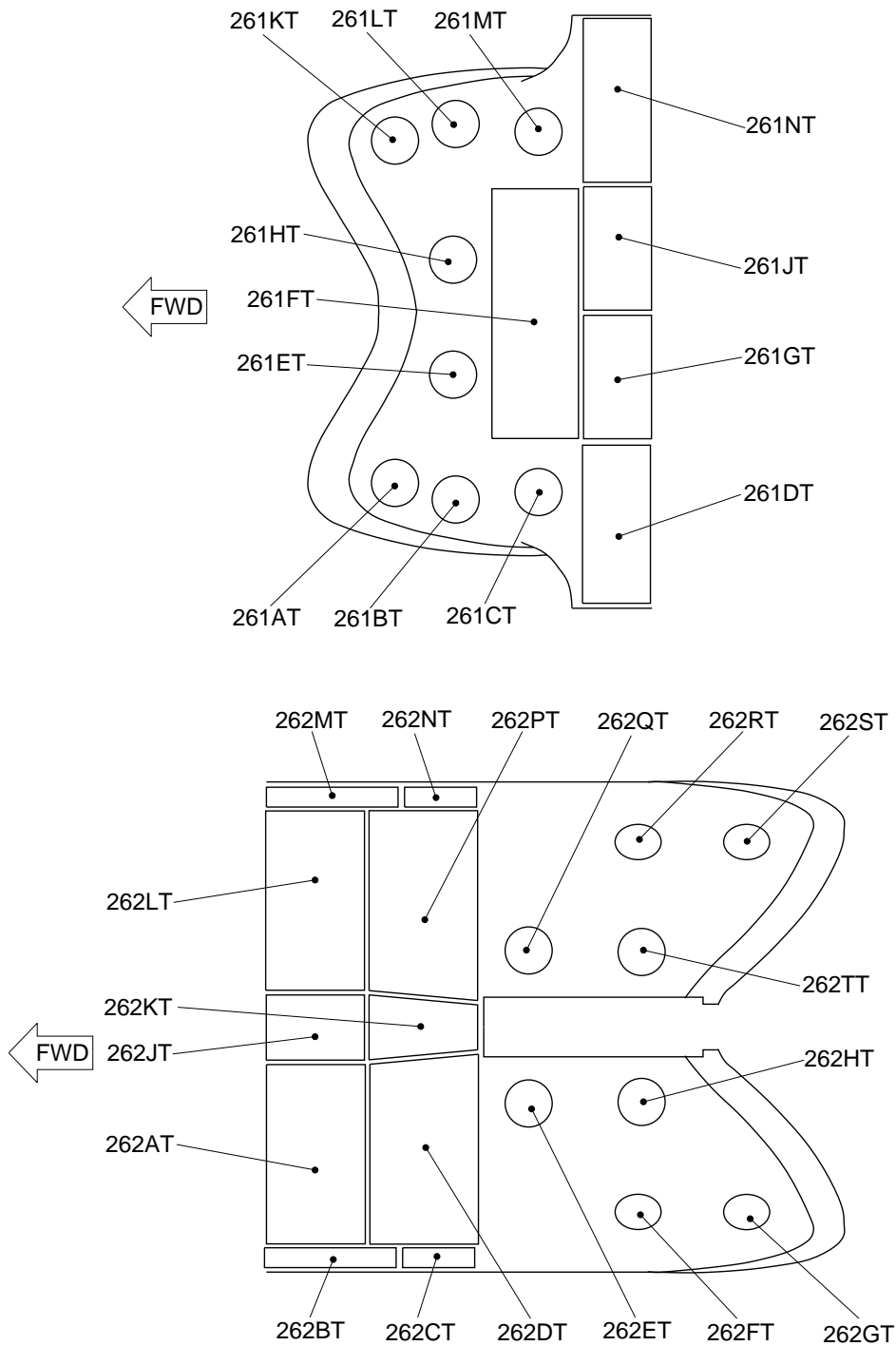
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Access Panels and Doors – Front Fuselage
Figure 1



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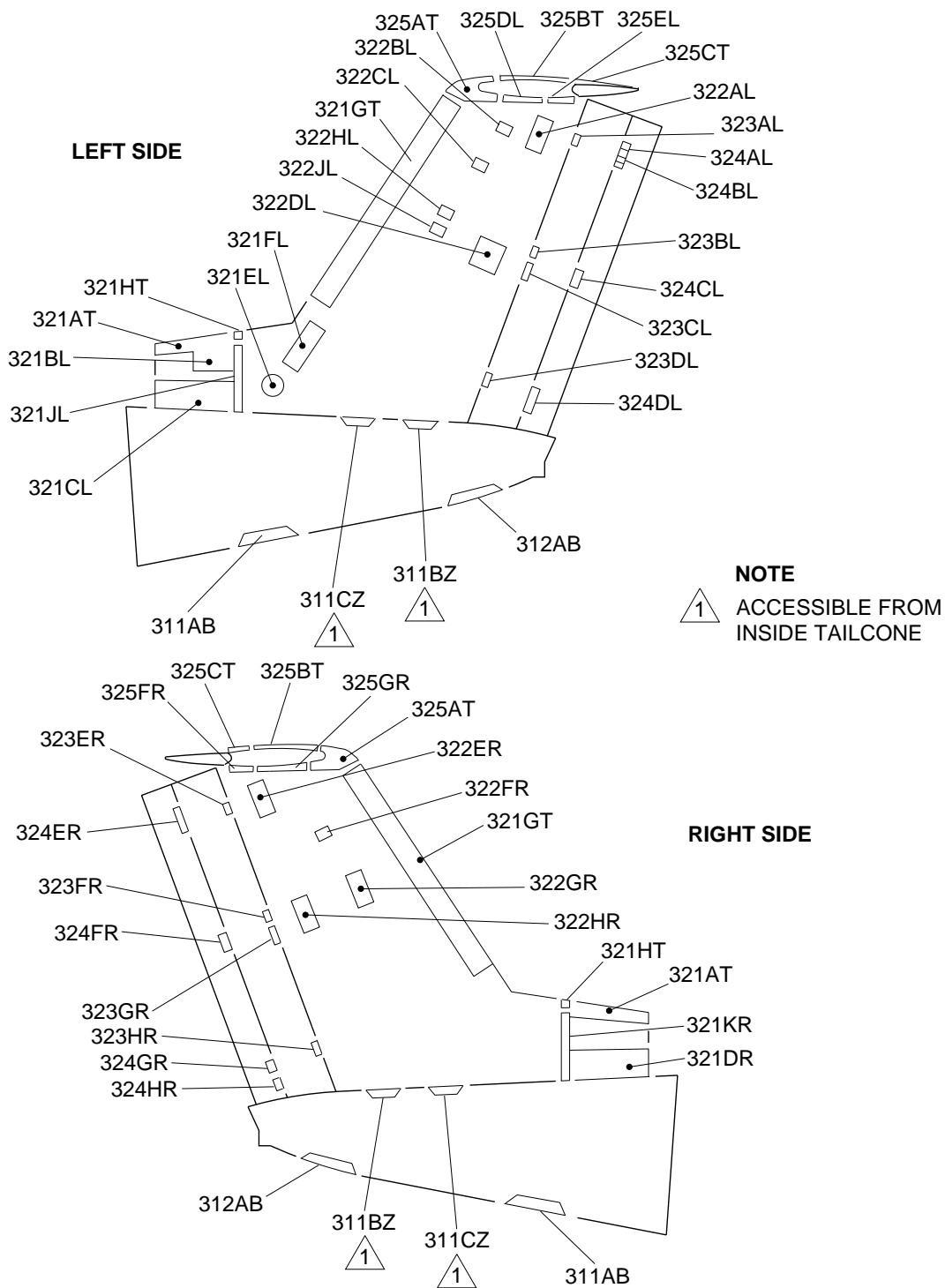
Access Panels and Doors – Center Fuselage
Figure 2



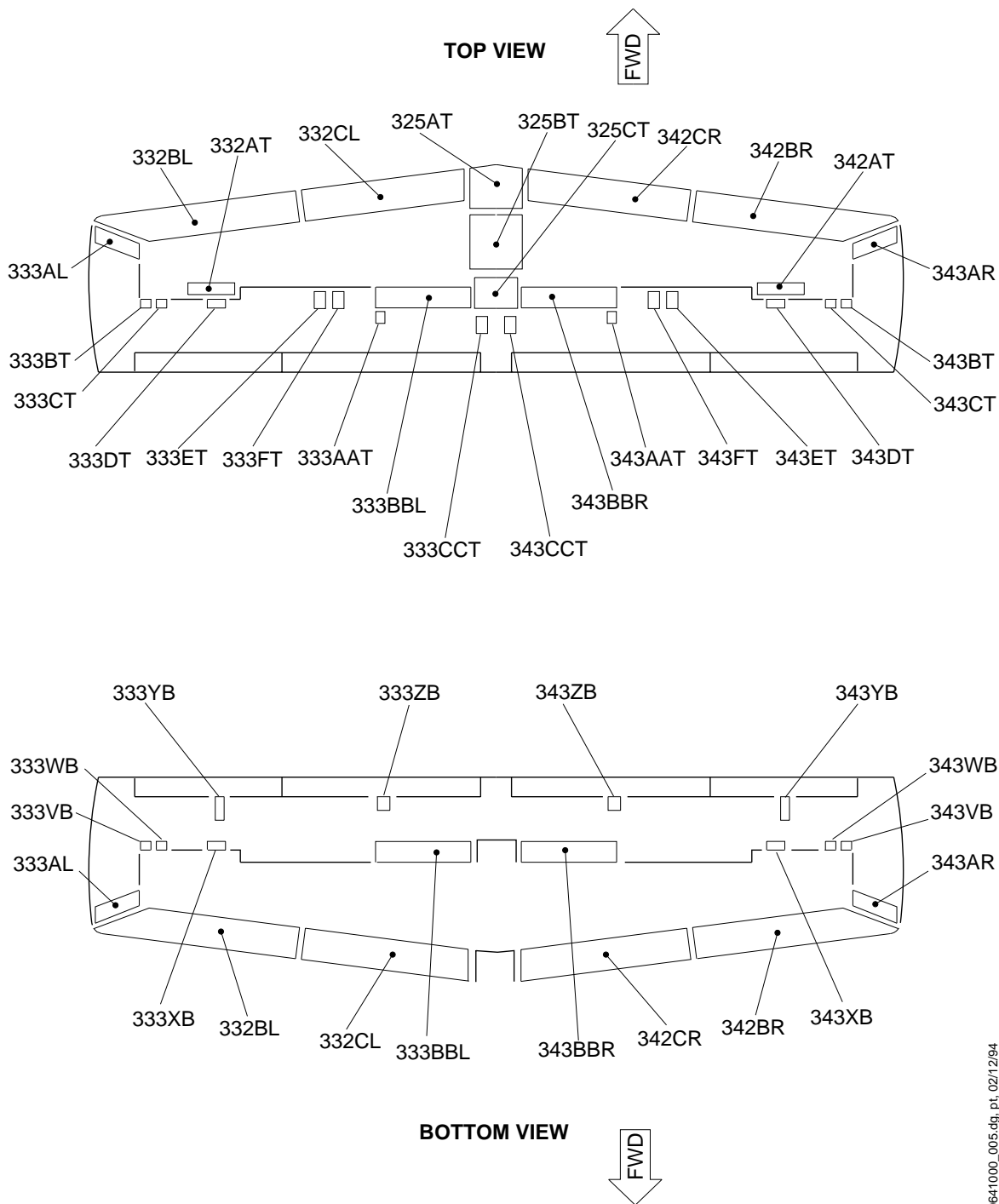
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Access Panels and Doors – Wing/Fuselage Fairing
Figure 3

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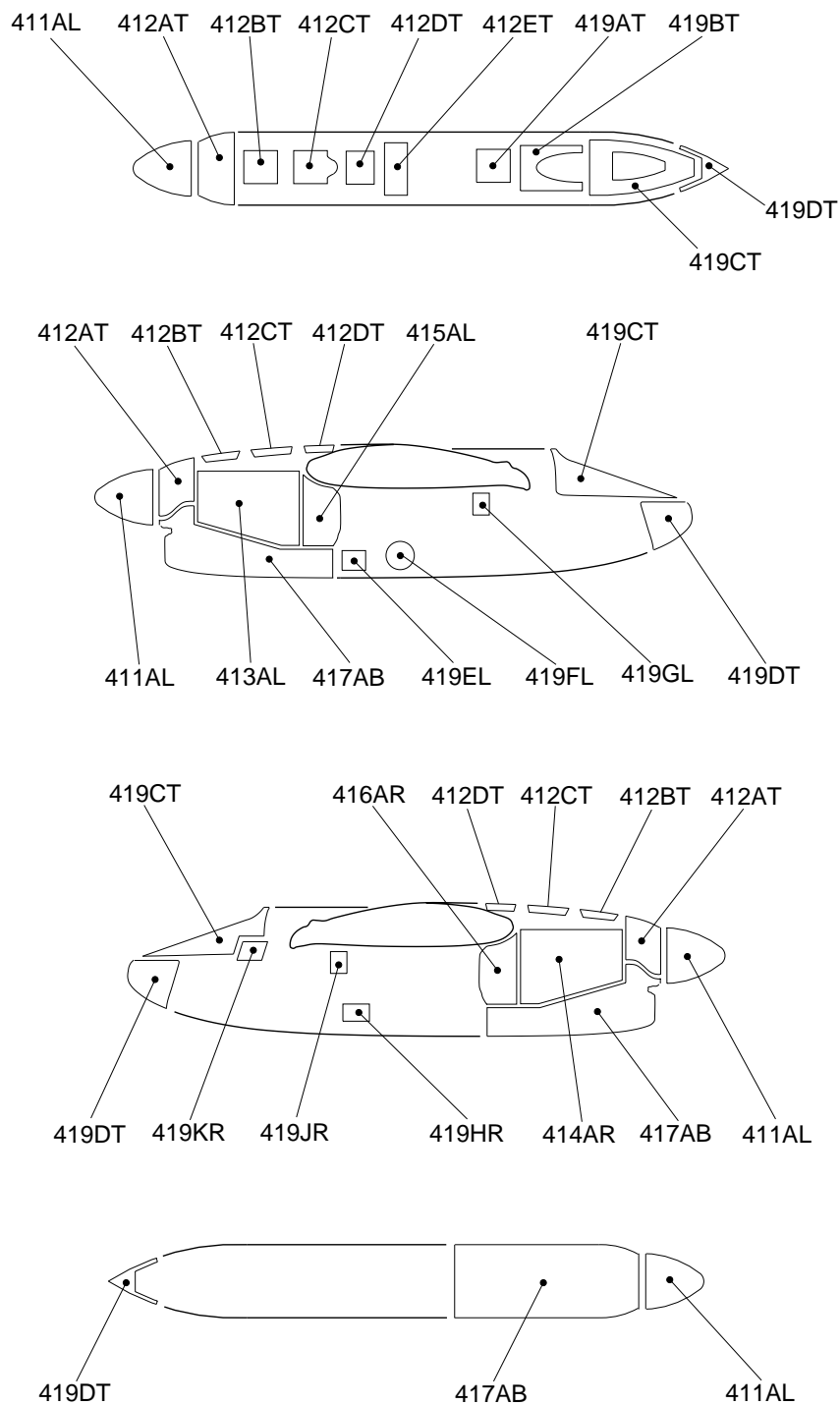
Access Panels and Doors – Vertical Stabilizer, Rear Fuselage
Figure 4



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Access Panels and Doors – Horizontal Stabilizer
Figure 5

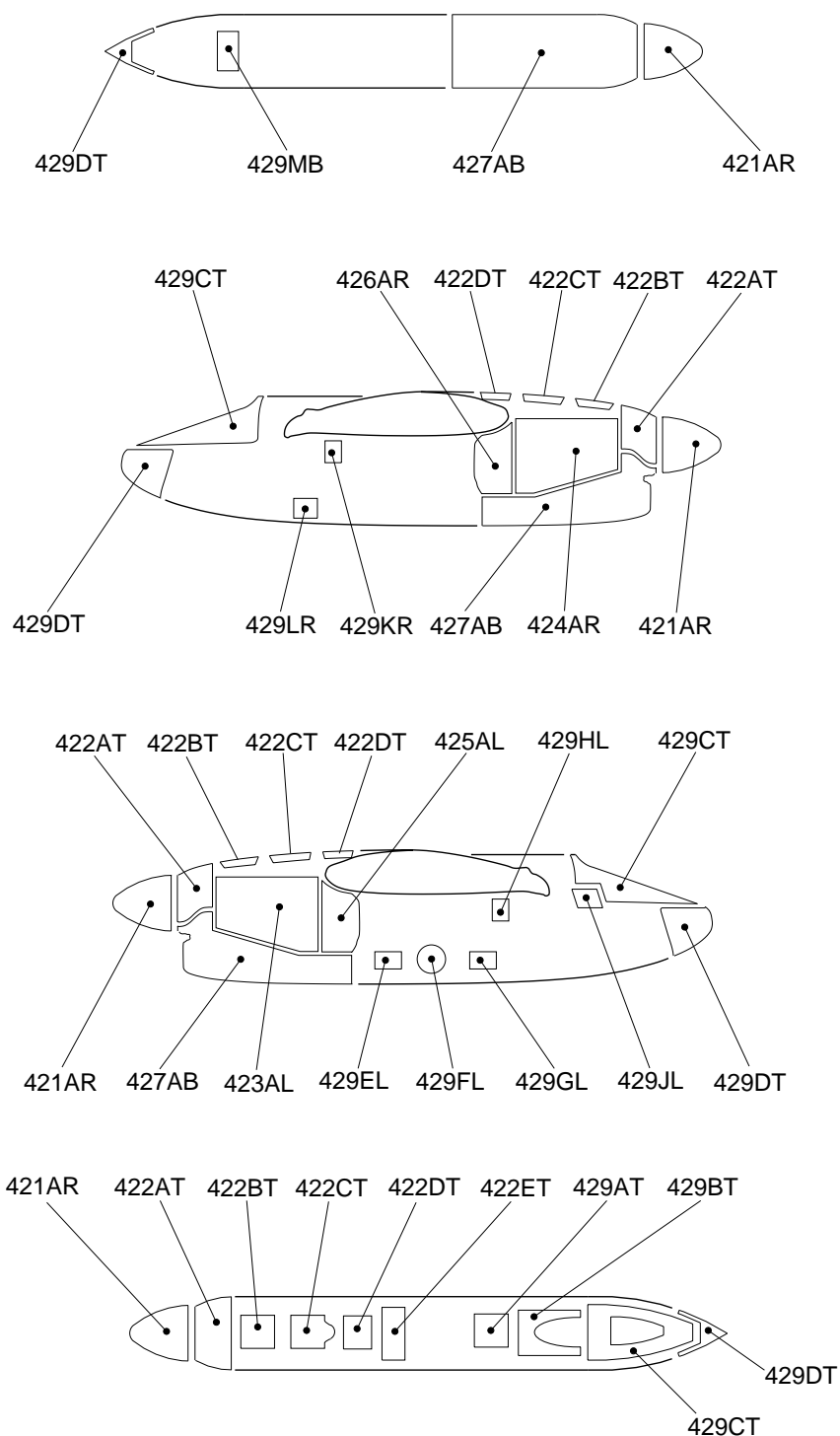
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Access Panels and Doors – Left Nacelle
Figure 6

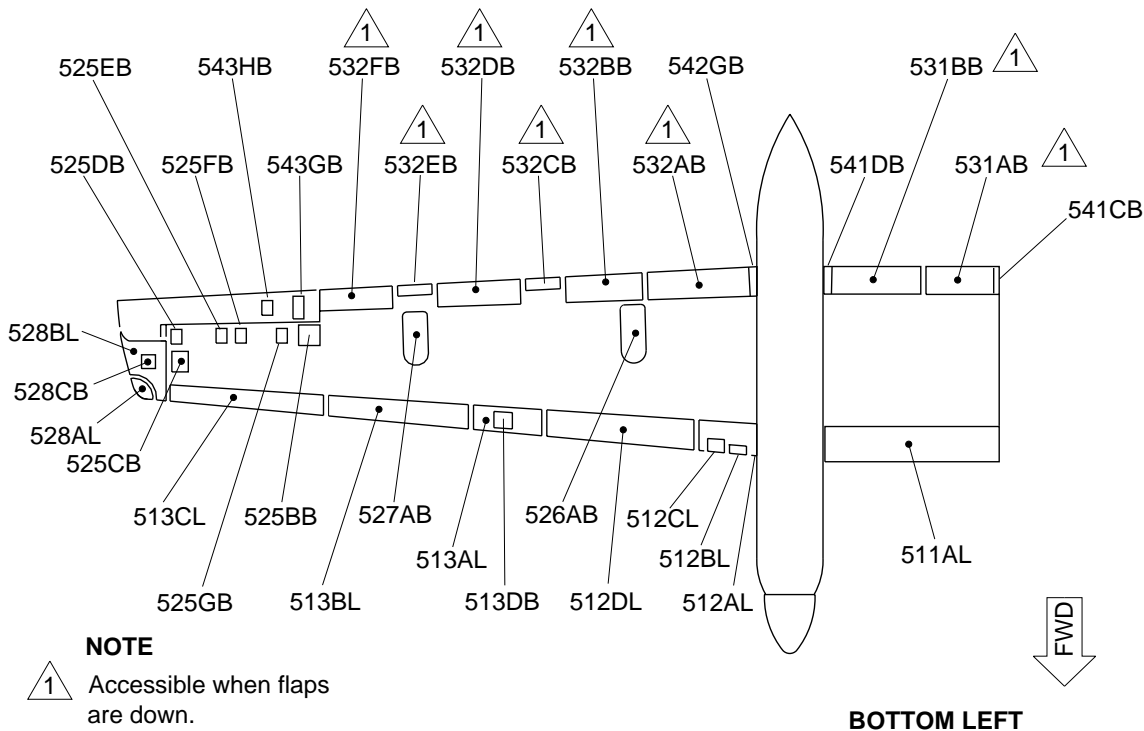
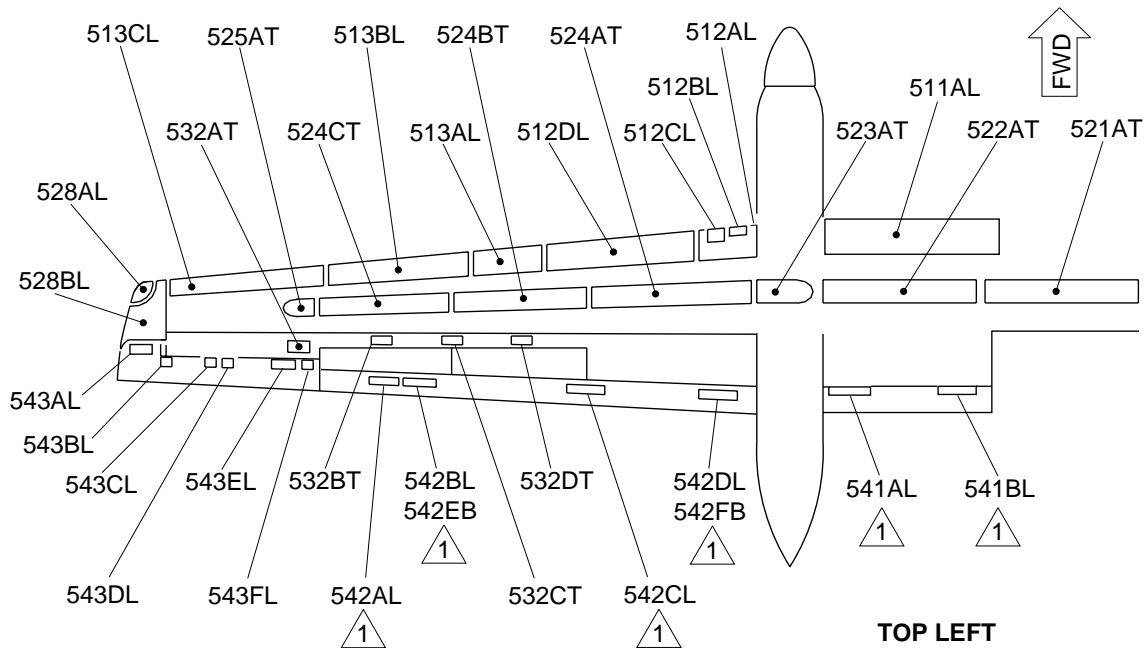
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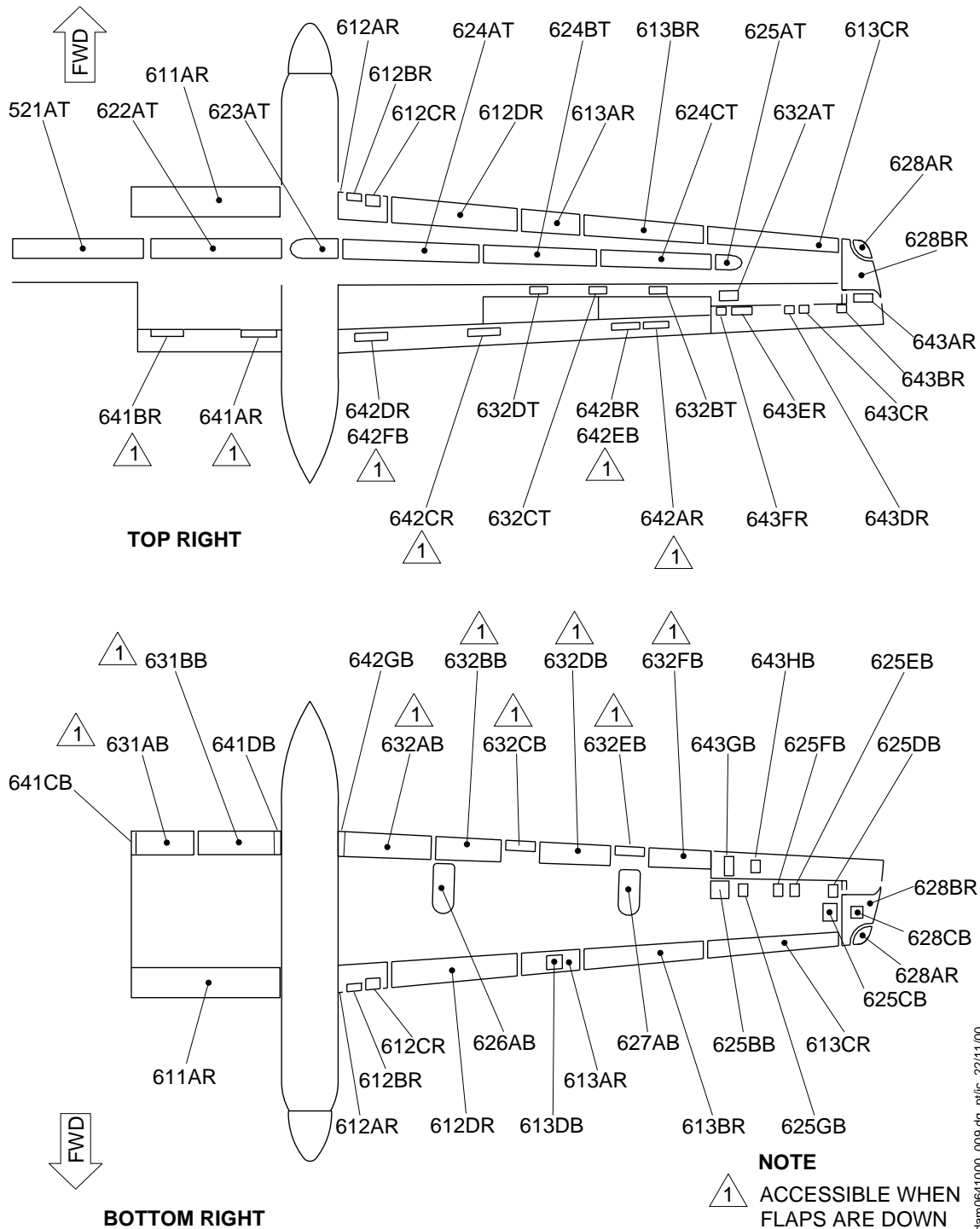
Access Panels and Doors – Right Nacelle
Figure 7

AIRCRAFT MAINTENANCE MANUAL



Access Panels and Doors – Left Wing
Figure 8

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Access Panels and Doors – Right Wing
Figure 9

**ON A/C ALL

ACCESS PANELS AND DOORS (INTERNAL) – DESCRIPTION

1. General

- A. This section contains description and location of the access panels that are on the internal surfaces of the aircraft. They include the ceiling and sidewall furnishing panels, overhead storage bins, and furnishing panels on the fixed bulkheads in the passenger compartment and baggage compartment.

2. Description

A. Passenger Compartment – Floor Boards

- (1) The identification code numbers for the floorboards in the passenger compartment (For Pre Modsum 8/2232) are listed in the table below as follows:

Refer to Figure 1 (sheet 1 of 2).

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
131AZ	Floor Boards	Inspection panel
131BZ		Inspection panel
131CZ		Deicing system low pressure warning switch, pneumatic lines
131DZ		Recirculated air duct, flight compartment supply duct, door sill drain lines, electrical wiring
131EZ, 131FZ, 131GZ		Roll spoiler cables, rudder cables, elevator cables, flight compartment supply duct, electrical wiring, ATC transponder antenna (131EZ)
132AZ, 132BZ, 132CZ		Rudder cables, elevator cables, elevator trim cables, hydraulic lines, flight compartment supply duct, ATC transponder antenna (132AZ).
133AZ		Electrical wiring
133BZ		Drain line, drain mast, VHF-2 antenna, recirculating fan
133CZ		Attitude heading and reference system (AHRES) units, No. 2 radio altimeter antenna
133DZ		ADF-1 and ADF-2 (if installed) antennas, rudder mixing quadrant
141AZ, 141BZ, 141CZ,		Roll spoiler cables, rudder cables, elevator cables, electrical wiring, flight compartment supply duct
142AZ, 142BZ, 142CZ		Rudder cables, elevator cables, elevator trim cables, hydraulic lines, flight compartment supply duct
143AZ		Inspection panel
143BZ, 143CZ		Flight compartment supply duct, recirculated air duct

- (2) The identification code numbers for the floorboards in the passenger compartment (For Post Modsum 8/2232) are listed in the table below as follows:

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Refer to Figure 1 (sheet 2 of 2).

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
131AZ	Floor Boards	Inspection panel
131BZ		Deicing system low pressure warning switch, pneumatic lines
131CZ		Recirculated air duct, flight compartment supply duct, door sill drain lines, electrical wiring
131DZ, 131EZ, 131FZ		Roll spoiler cables, rudder cables, elevator cables, flight compartment supply duct, electrical wiring, ATC transponder antenna
132AZ, 132BZ, 132CZ, 132DZ		Rudder cables, elevator cables, elevator trim cables, hydraulic lines, flight compartment supply duct, ATC transponder antenna (132AZ).
133AZ		Electrical wiring
133BZ		Drain line, drain mast, VHF-2 antenna, recirculating fan
133CZ		Attitude heading and reference system (AHRES) units, No. 2 radio altimeter antenna
133DZ, 133EZ		ADF-1 and ADF-2 (if installed) antennas, rudder mixing quadrant
141AZ, 141BZ		Roll spoiler cables, rudder cables, elevator cables, electrical wiring, flight compartment supply duct
142AZ, 142BZ		Rudder cables, elevator cables, elevator trim cables, hydraulic lines, flight compartment supply duct
143AZ		Inspection panel
143BZ		Flight compartment supply duct, recirculated air duct

B. Passenger Compartment – Sidewall Panels

- (1) The identification code numbers for the sidewall panels in the passenger compartment are listed in the table below as follows:

Refer to Figure 2.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
231AZ, 231BZ, 231CZ, 231DZ, 231EZ, 231FZ, 231GZ, 231HZ		Insulation, electrical wiring, gasper ducts, engine floodlight (231BZ), ground floodlight (231CZ), hydraulic lines (231HZ)
231JZ, 231KZ		Trim panels
231LZ, 231MZ		Trim panels
232AZ, 232BZ, 232CZ, 232DZ, 232EZ, 232FZ, 232GZ		Insulation, electrical wiring, gasper ducts, ground floodlight (232BZ) hydraulic lines (232FZ)

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CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
232HZ, 232JZ	Sidewall Panels	Trim panels
232KZ, 232LZ		Trim panels
241AZ, 241BZ, 241CZ, 241DZ		Insulation, electrical wiring, gasper ducts
241EZ		Trim panel
242AZ, 242BZ, 242CZ, 242DZ		Insulation, electrical wiring, gasper ducts
242EZ		Trim panel
242FZ		Trim panel

C. Passenger Compartment – Ceiling Panels

- (1) The identification code numbers for the ceiling panels in the passenger compartment are listed in the table below as follows:

Refer to Figure 3.

CODE NUMBERS	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
233AZ, 233BZ, 233CZ, 233DZ	Ceiling Panels	Passenger service units and trim panels L.H. Gasper ducts, electrical wiring
233EZ, 233FZ, 233GZ, 233HZ		
233JZ, 233KZ		
233LZ, 233MZ		
234AZ, 234BZ, 234CZ, 234DZ, 234EZ, 234FZ, 234GZ, 234HZ, 234JZ, 234KZ, 234LZ, 234MZ	Panels	Passenger service units and trim panels R.H. Gasper ducts, electrical wiring
235AZ, 235BZ, 235CZ, 235DZ		VHF-1 antenna, electrical wiring, emergency lighting panels
243AZ, 243BZ, 243CZ, 243DZ, 243EZ, 243FZ, 243GZ		Passenger service units and trim panels L.H. Gasper ducts, electrical wiring, PA speaker panels
244AZ, 244BZ, 244CZ, 244DZ, 244EZ, 244FZ, 244GZ		Passenger service units and trim panels R.H. Gasper ducts, electrical wiring
245AZ, 245BZ, 245CZ		Electrical wiring, emergency lighting panels

D. Passenger Compartment – Overhead Bins

- (1) The identification code numbers for the overhead bins in the passenger compartment are listed in the table below as follows:

Refer to Figure 3.

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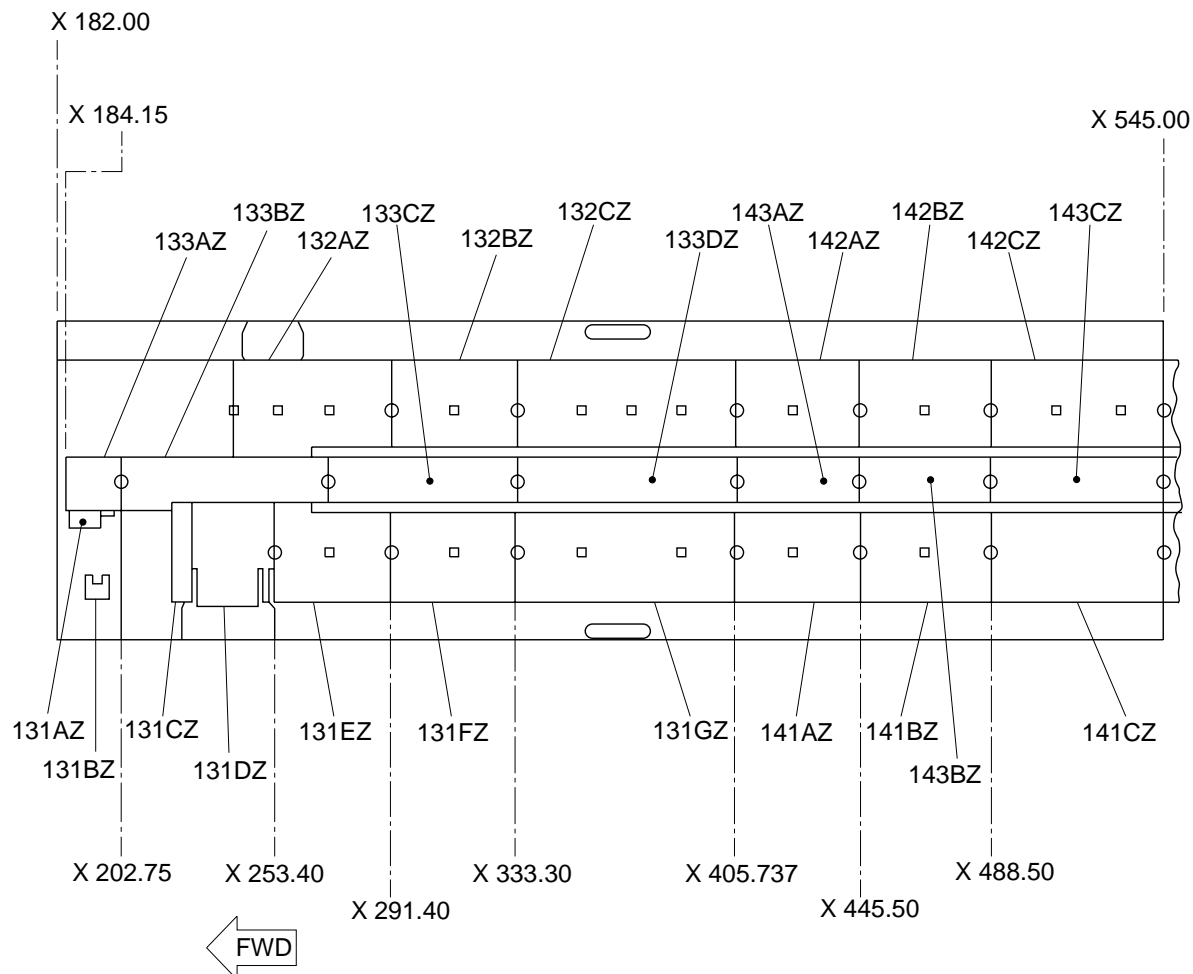
CODE NUMBER	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
233AAZ, 233BBZ, 233CCZ, 233DDZ	Panels	Gust lock cables, electrical wiring, cabin supply duct
234AAZ, 234BBZ, 234CCZ, 234DDZ, 234EEZ		Aileron cables, flap cables, electrical wiring, cabin supply duct
243AAZ, 243BBZ, 243CCZ		Gust lock cables, roll spoiler cables, electrical wiring
244AAZ, 244BBZ, 244CCZ		Electrical wiring, cabin supply duct

E. Baggage Compartment – Floor Boards and Panels

- (1) The identification code numbers for the floor boards and access panels in the baggage compartment are listed in the table below as follows:

Refer to Figure 4.

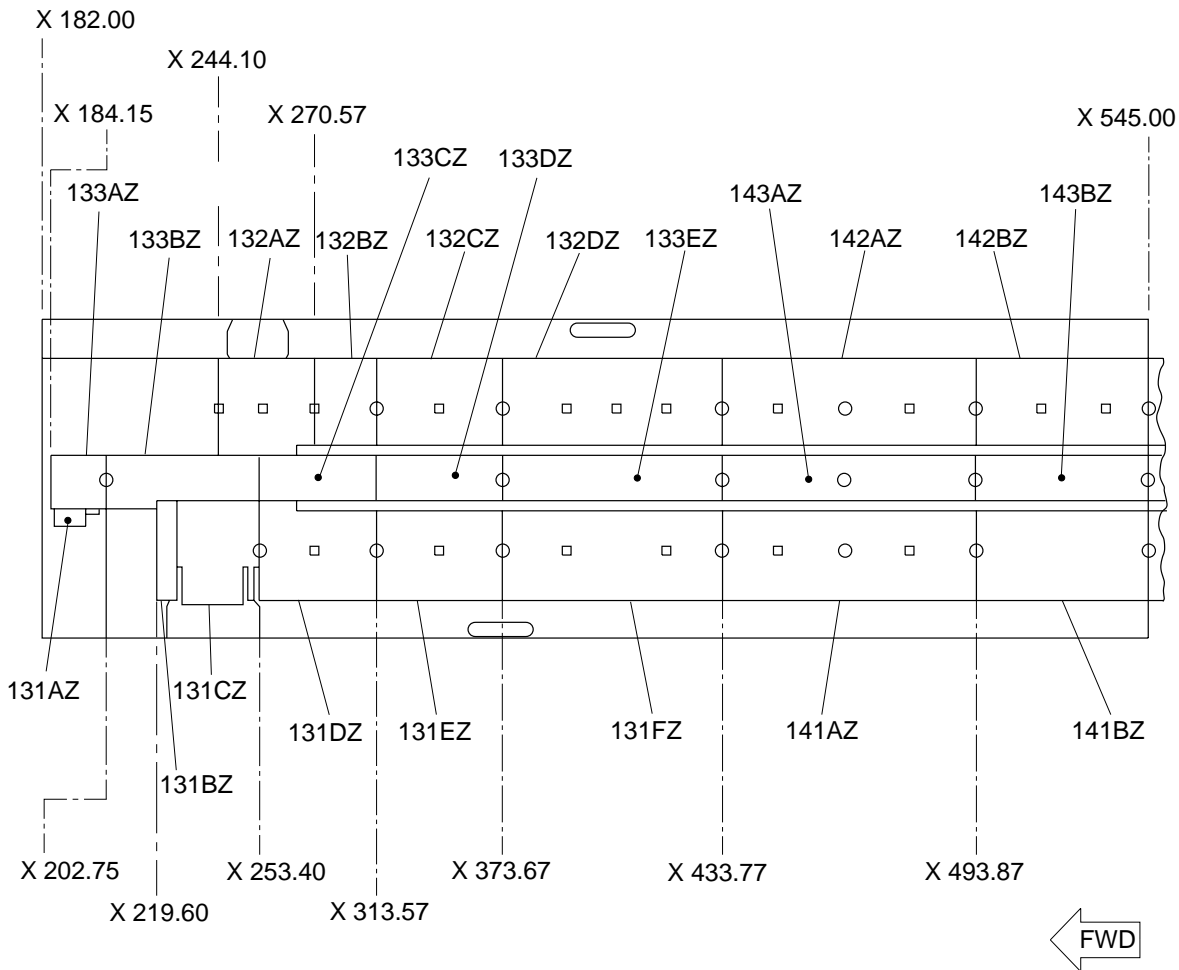
CODE NUMBER	TYPE OF ACCESS	ACCESS TO EQUIPMENT/COMPONENT
144AZ	Floor Boards	Under floor panels
144BZ		Recirculated air duct, flight compartment supply duct, duct over temperature switch, duct temperature sensor
144CZ		Elevator control cables, elevator trim control cables, electrical wiring
144DZ, 144EZ, 144FZ, 144GZ	Panels	Inspection panels
144HZ, 145AZ		Rudder cables
145BZ		Recirculating air duct, flight compartment supply duct
145CZ		Elevator control cables and trim cable, electrical wiring
145DZ		Inspection panels
251AZ, 251BZ, 251CZ, 251DZ		Trim panels
251EZ		Normal outflow valve, recirculating air duct, electrical wiring
251FZ		Roll spoiler cables, cabin supply duct
251GZ		Roll spoiler cables, cabin supply duct, duct over temperature switch, duct temperature sensor, cabin duct temperature sensor
251HZ		Cabin and flight compartment supply duct, roll spoiler cables, electrical wiring
251JZ, 251KZ		Trim panels
251LZ		Baggage door mechanism



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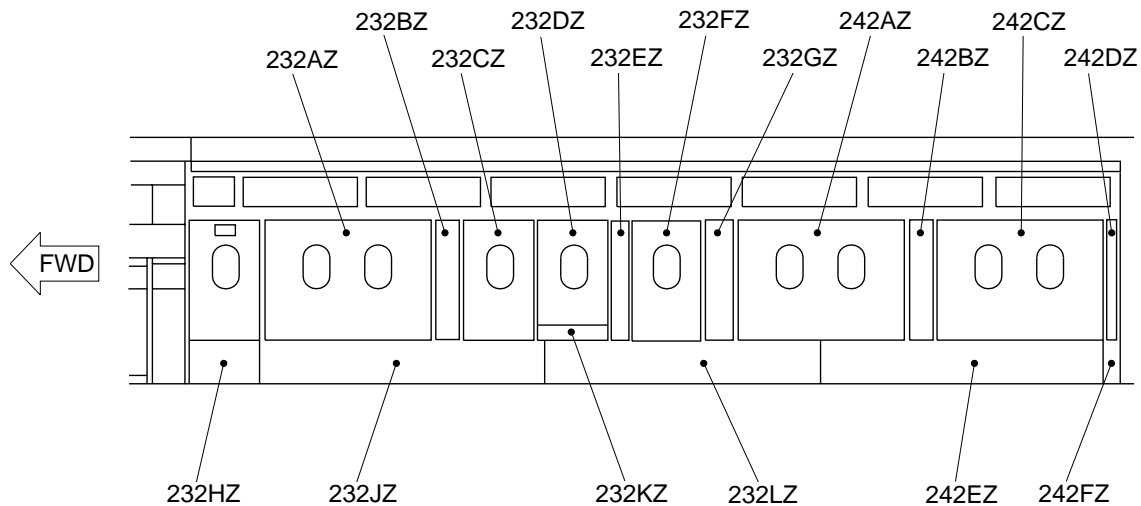
Access Panels and Doors – Passenger Compartment Floor Boards
Figure 1 (Sheet 1 of 2)



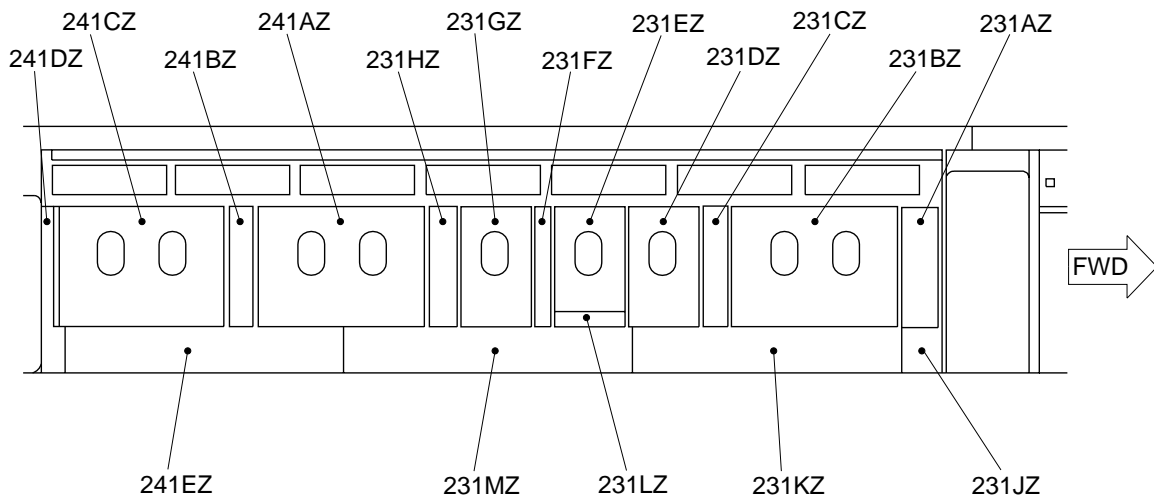
POST MODSUM 8/2232

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Access Panels and Doors – Passenger Compartment Floor Boards
Figure 1 (Sheet 2 of 2)

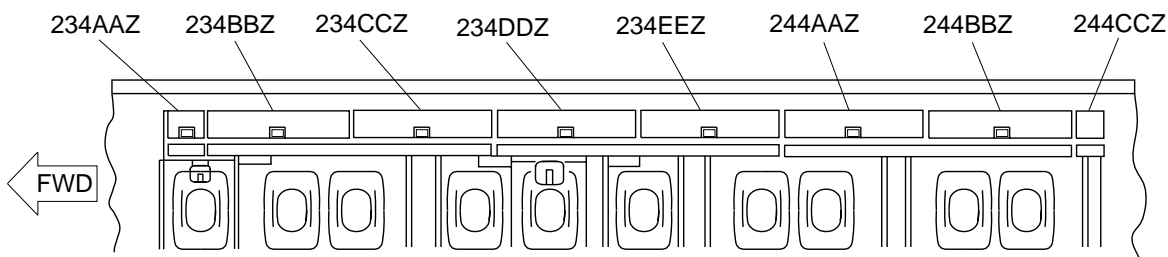


VIEW ON RIGHT SIDEWALL

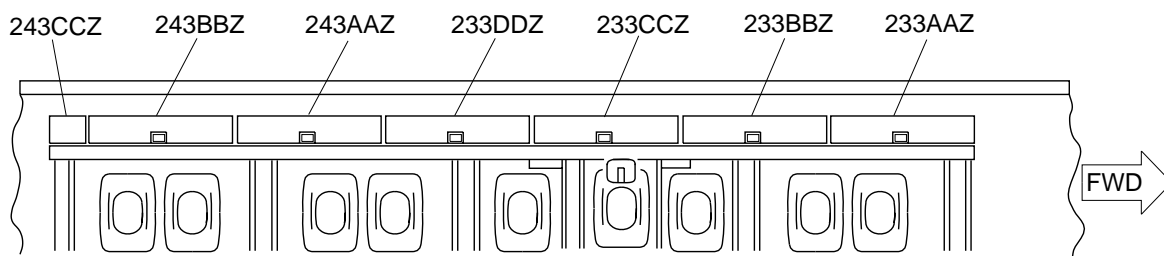


VIEW ON LEFT SIDEWALL

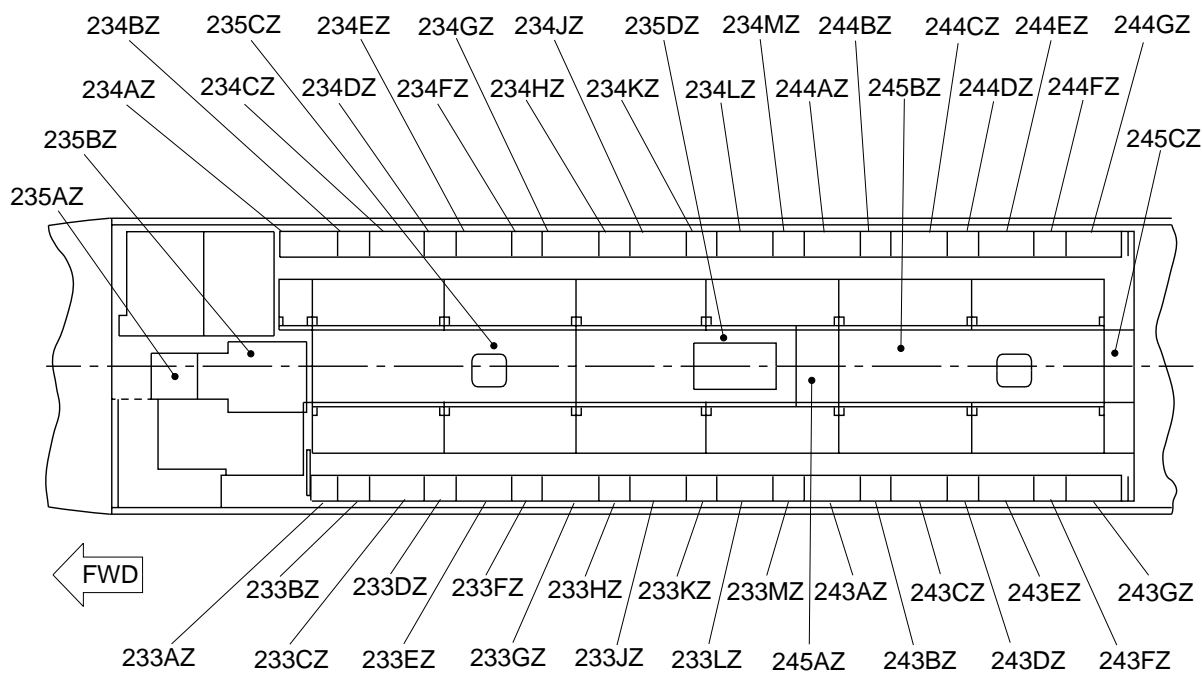
Access Panels and Doors – Passenger Compartment Sidewall Panels
Figure 2



VIEW ON RIGHT SIDE



VIEW ON LEFT SIDE

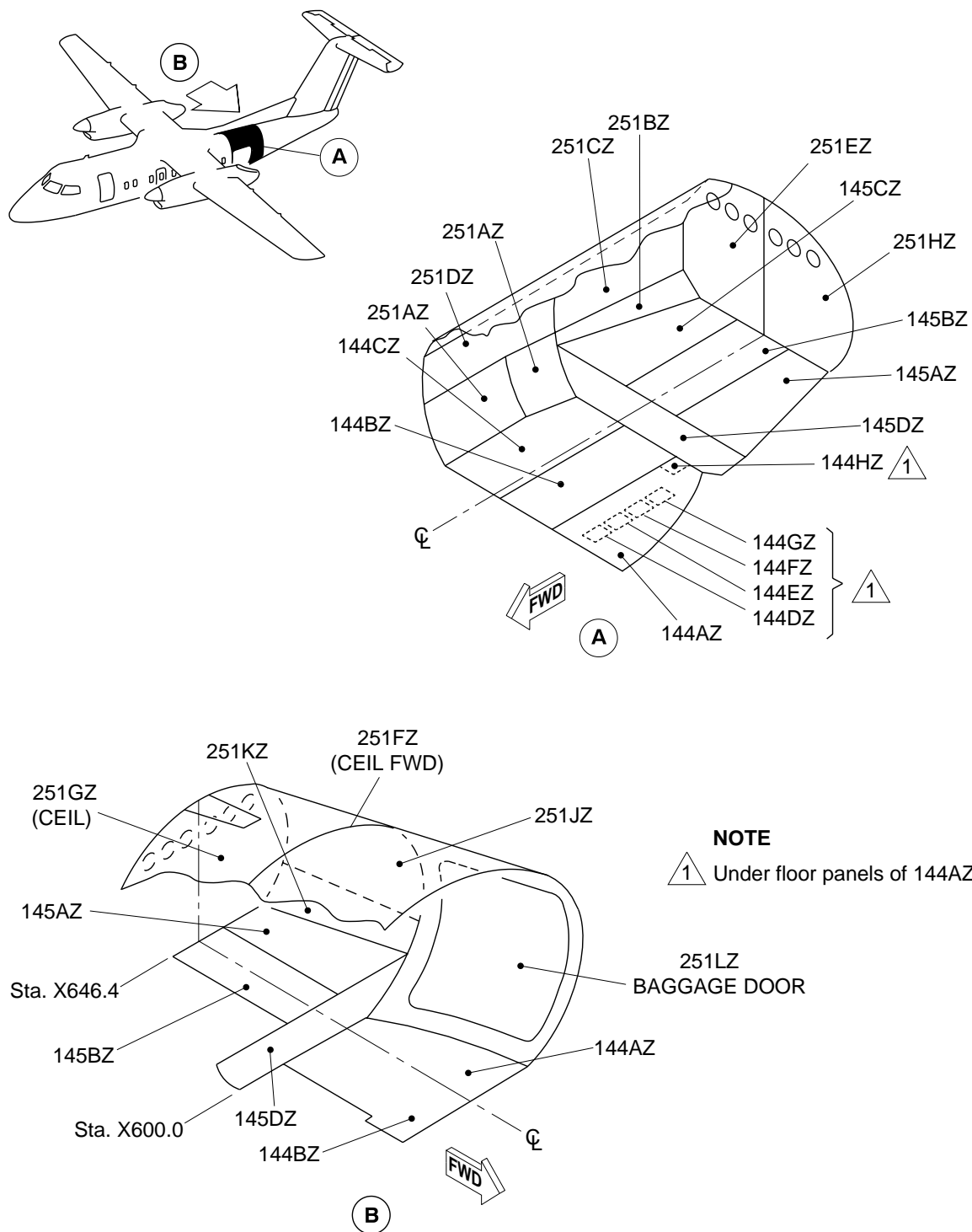


PLAN VIEW

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Access Panels and Doors – Passenger Compartment Ceiling Panels
Figure 3

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Access Panels and Doors – Baggage Compartment
Figure 4

