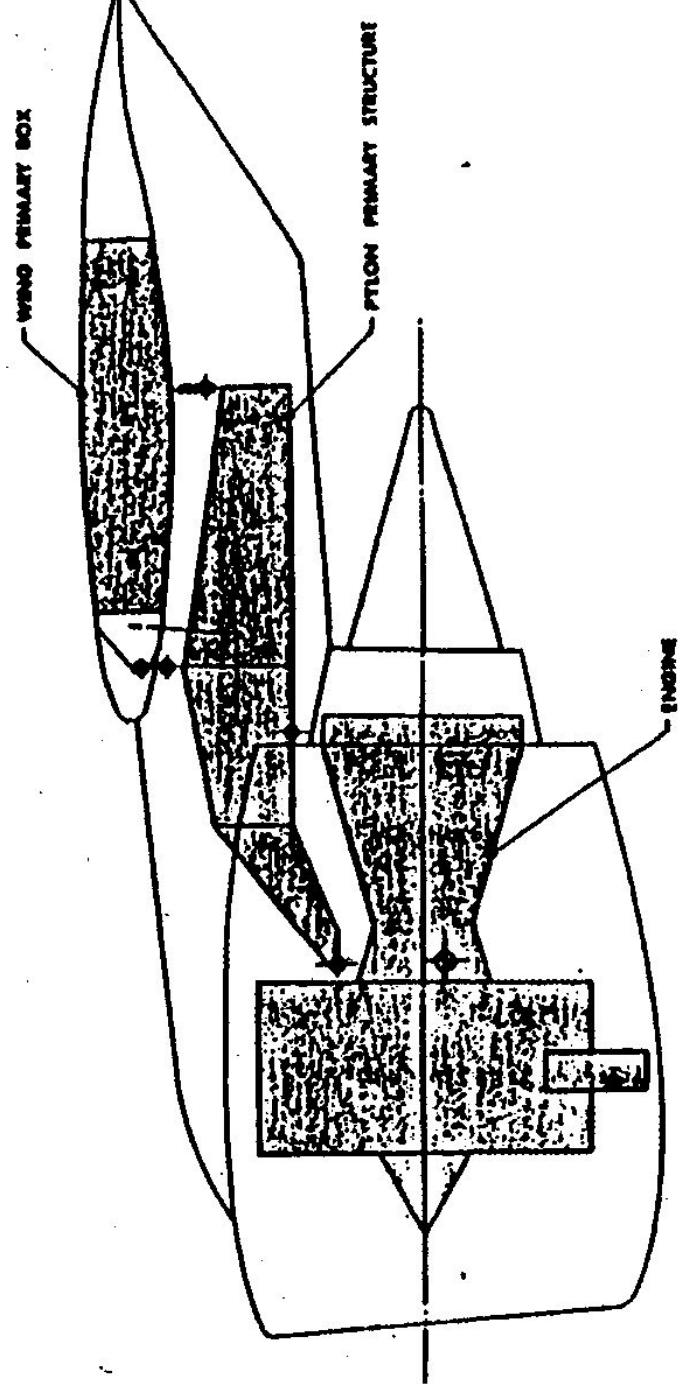


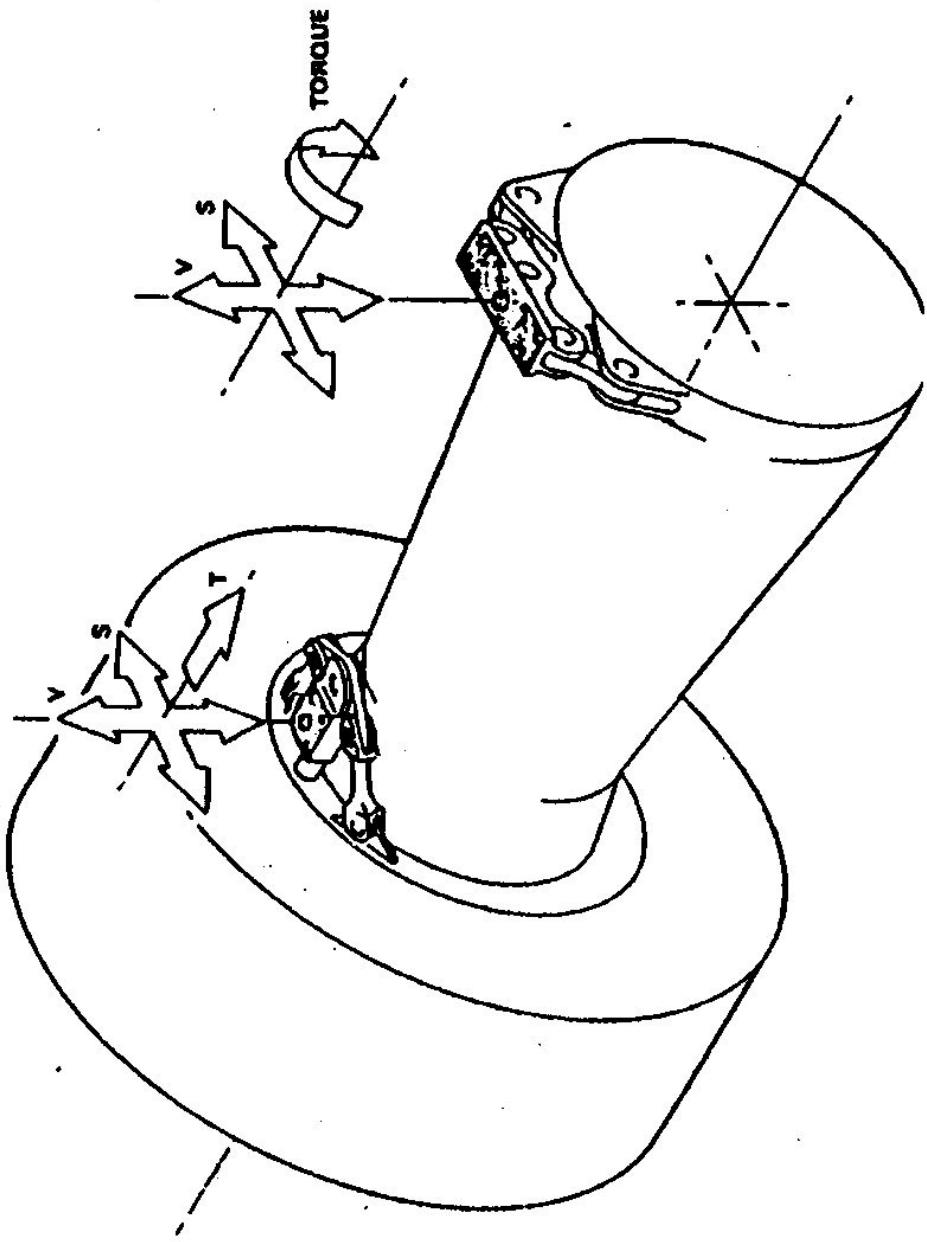
ENGINE INTEGRATION

WING MOUNTED ENGINES - INSTALLATION



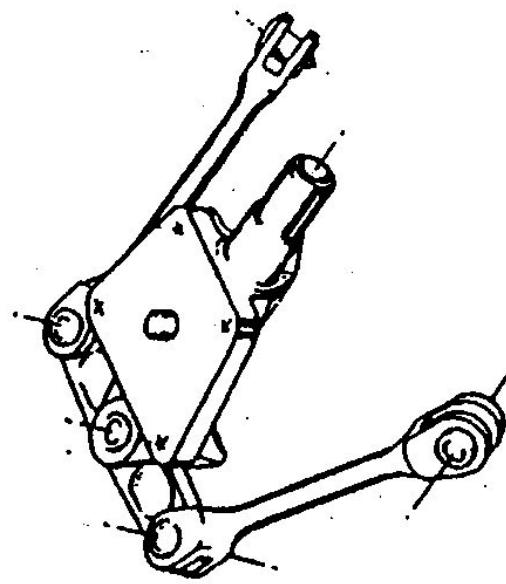
ENGINE INTEGRATION

TYPICAL ENGINE TO PYLON ATTACHMENT

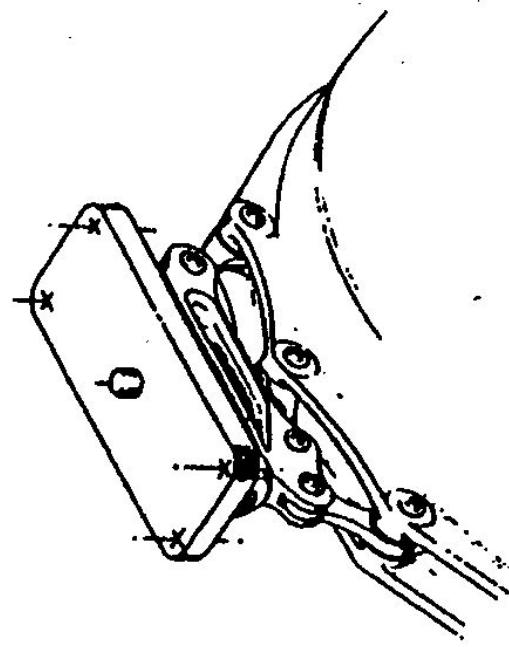


ENGINE INTEGRATION

DETAILS OF ATTACHMENTS



FWD FITTING



AFT FITTING

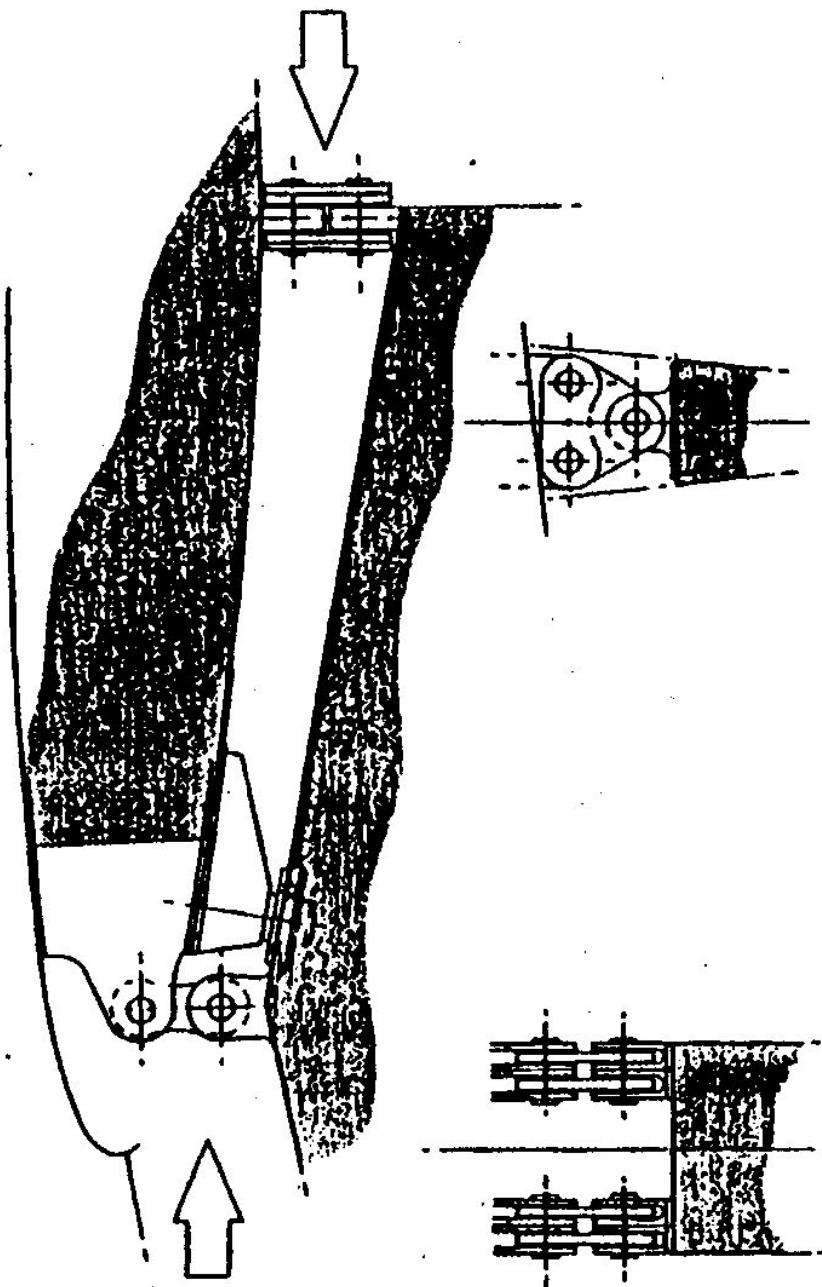
AIRBUS / UNIVERSITY OF BRISTOL

DESIGN PROJECT

ENGINE INTEGRATION

PYLON TO WING ATTACHMENT

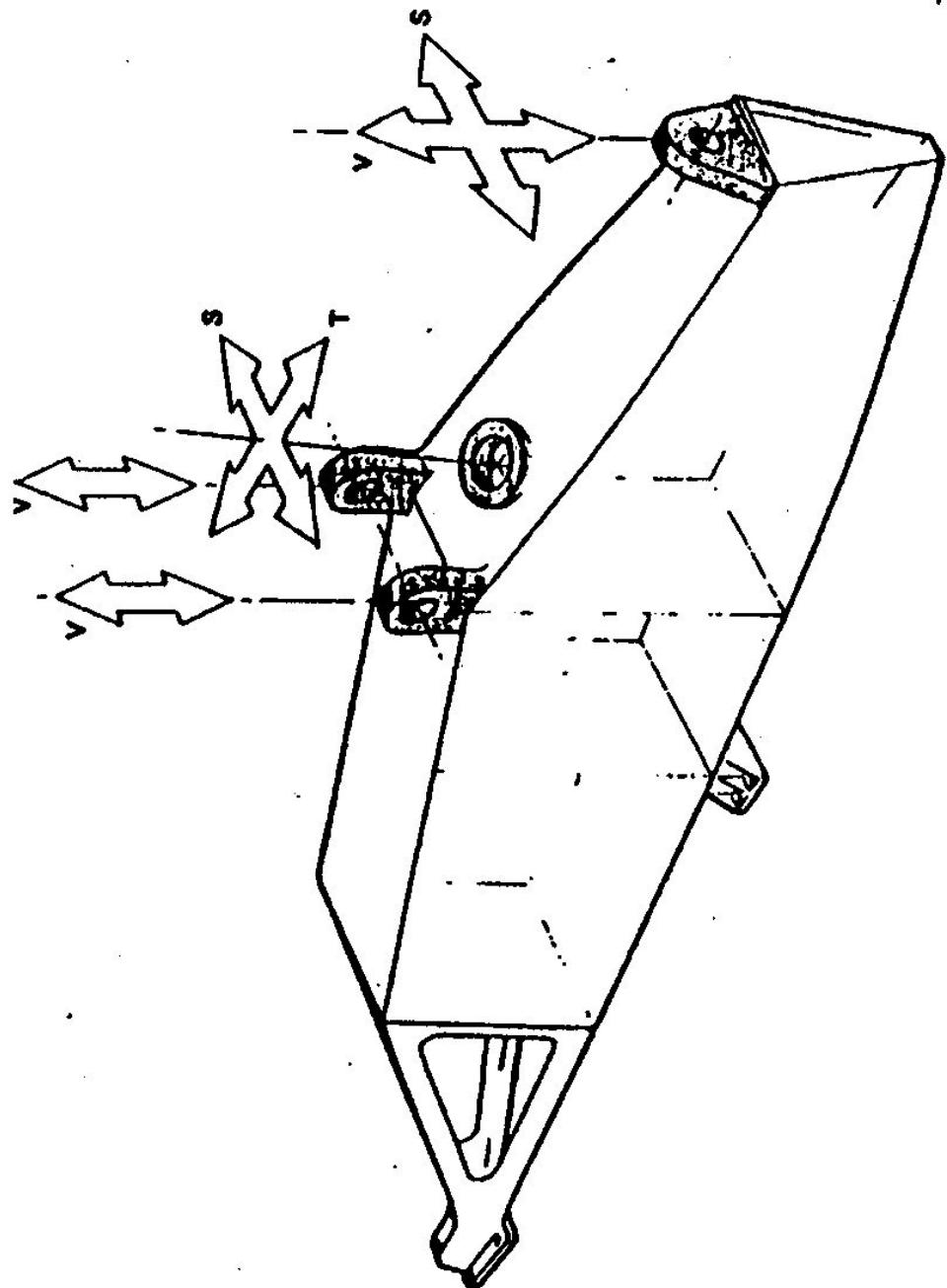
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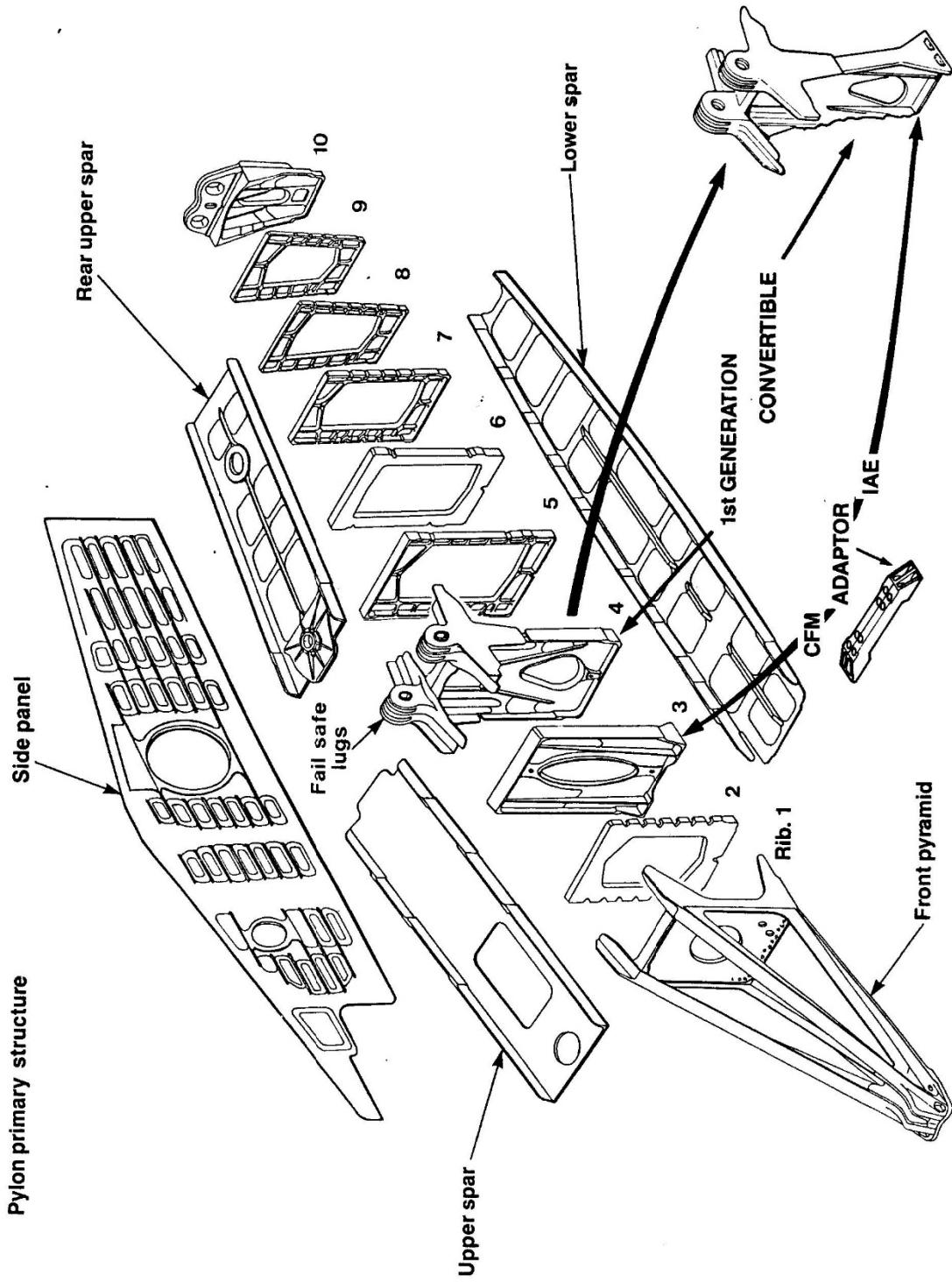
3.25

**ENGINE INTEGRATION**

**TYPICAL PYLON STRUCTURE**



**Pylon primary structure**

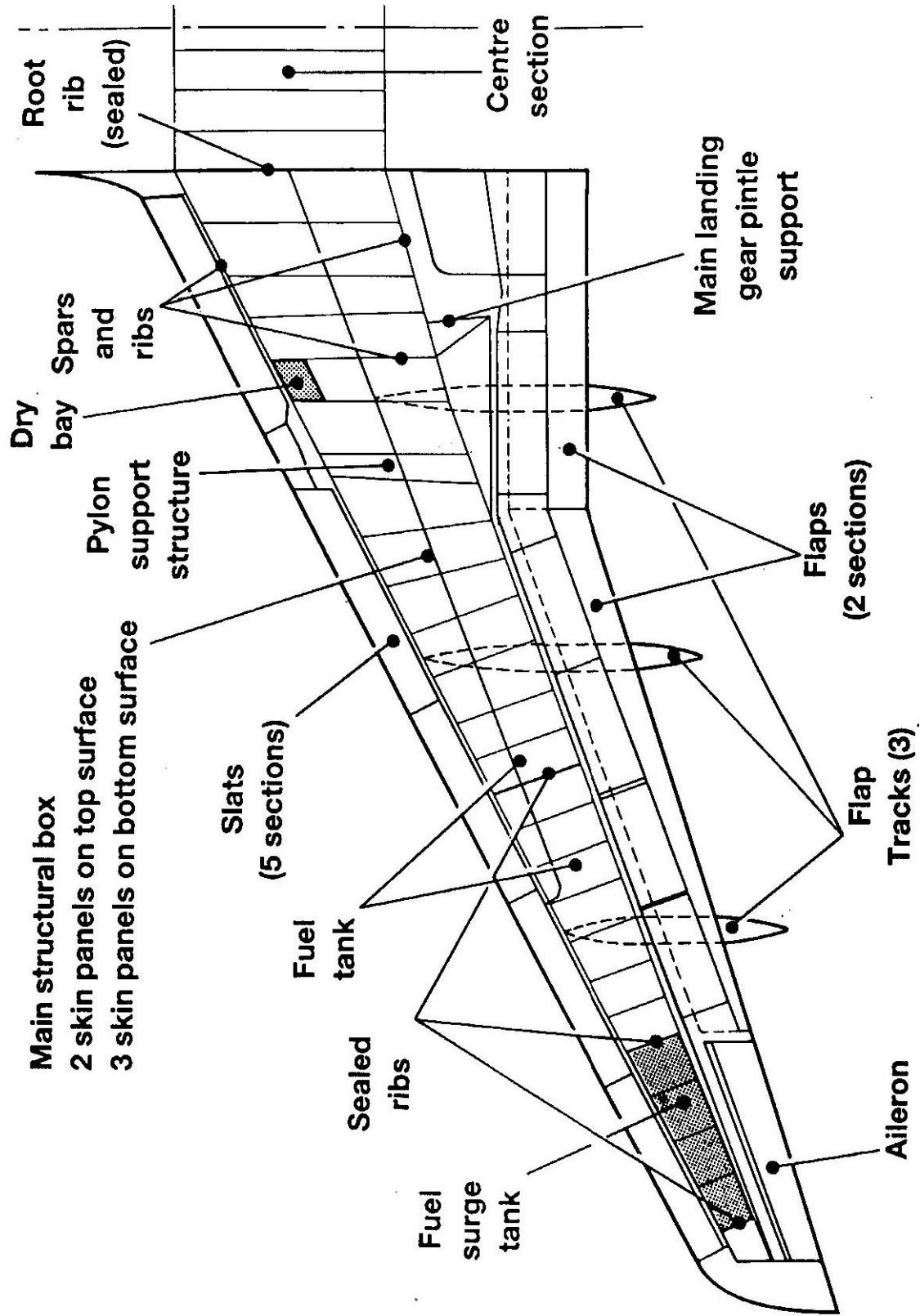


# WING FUNCTION

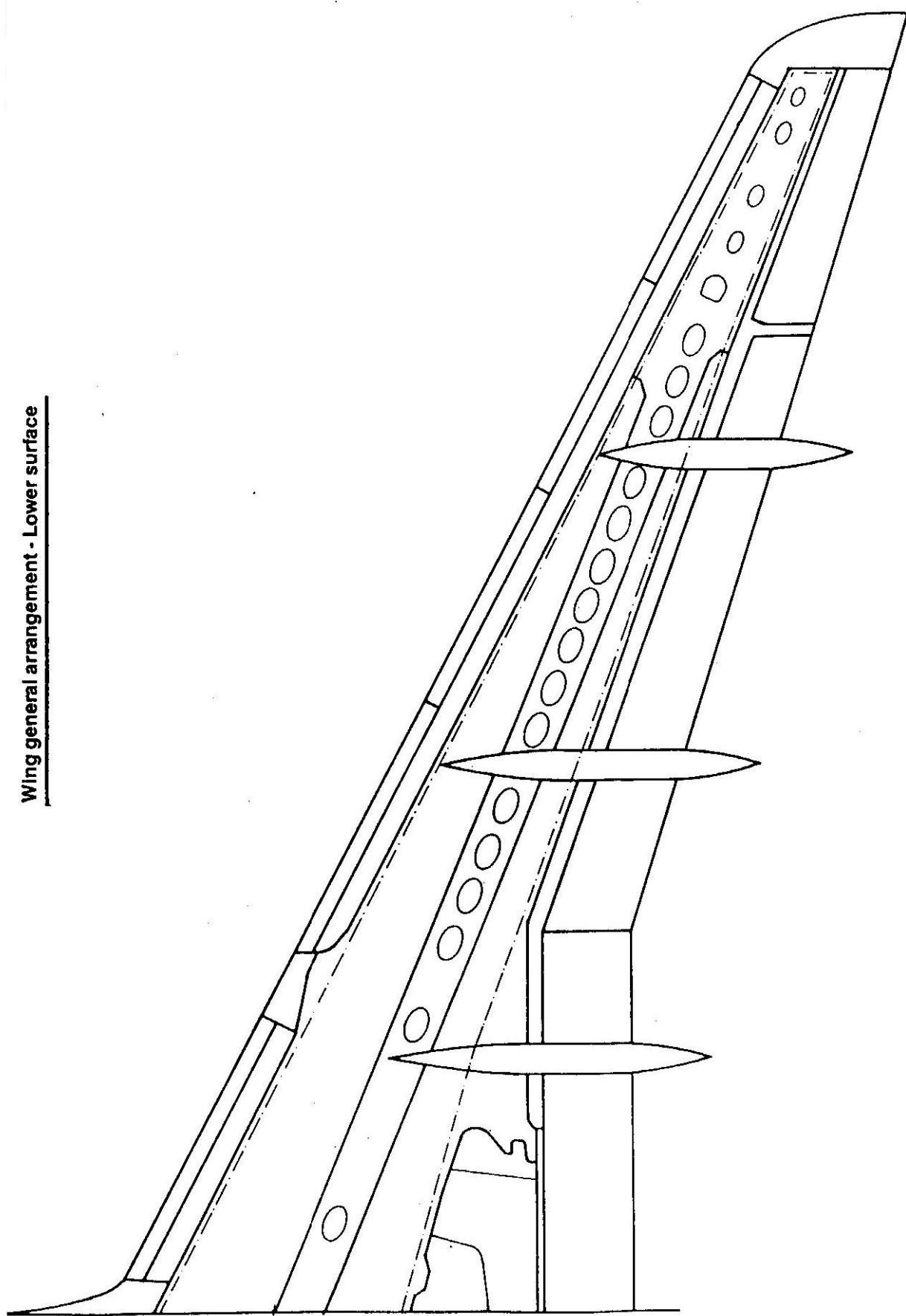
WHAT IS A WING FOR?

- AERODYNAMIC DEVICE
  - LIFT & CONTROL
- FUEL TANK
- ENGINE LOCATION
- LANDING GEAR LOCATION

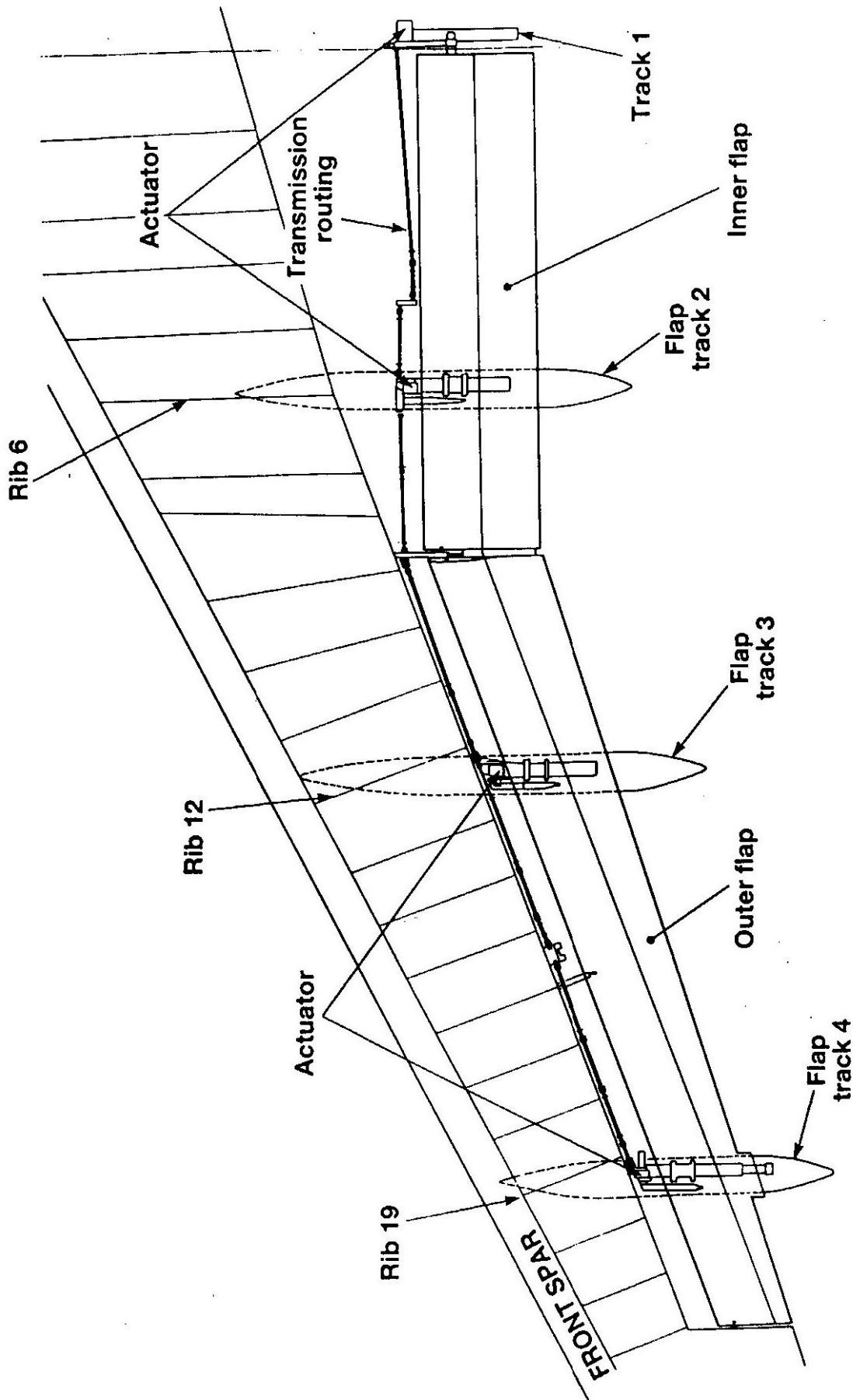
Wing general arrangement- Upper surface



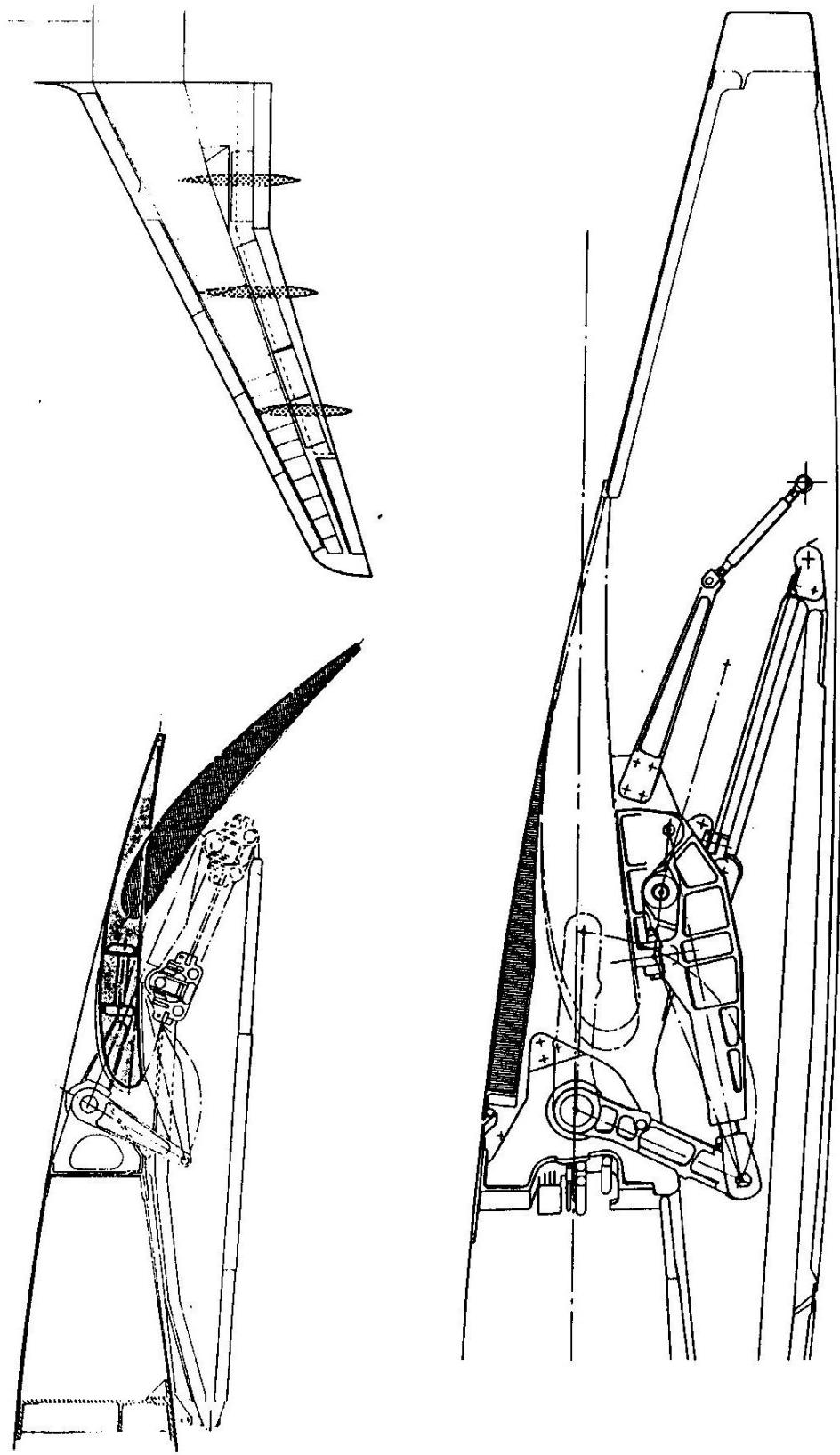
Wing general arrangement - Lower surface

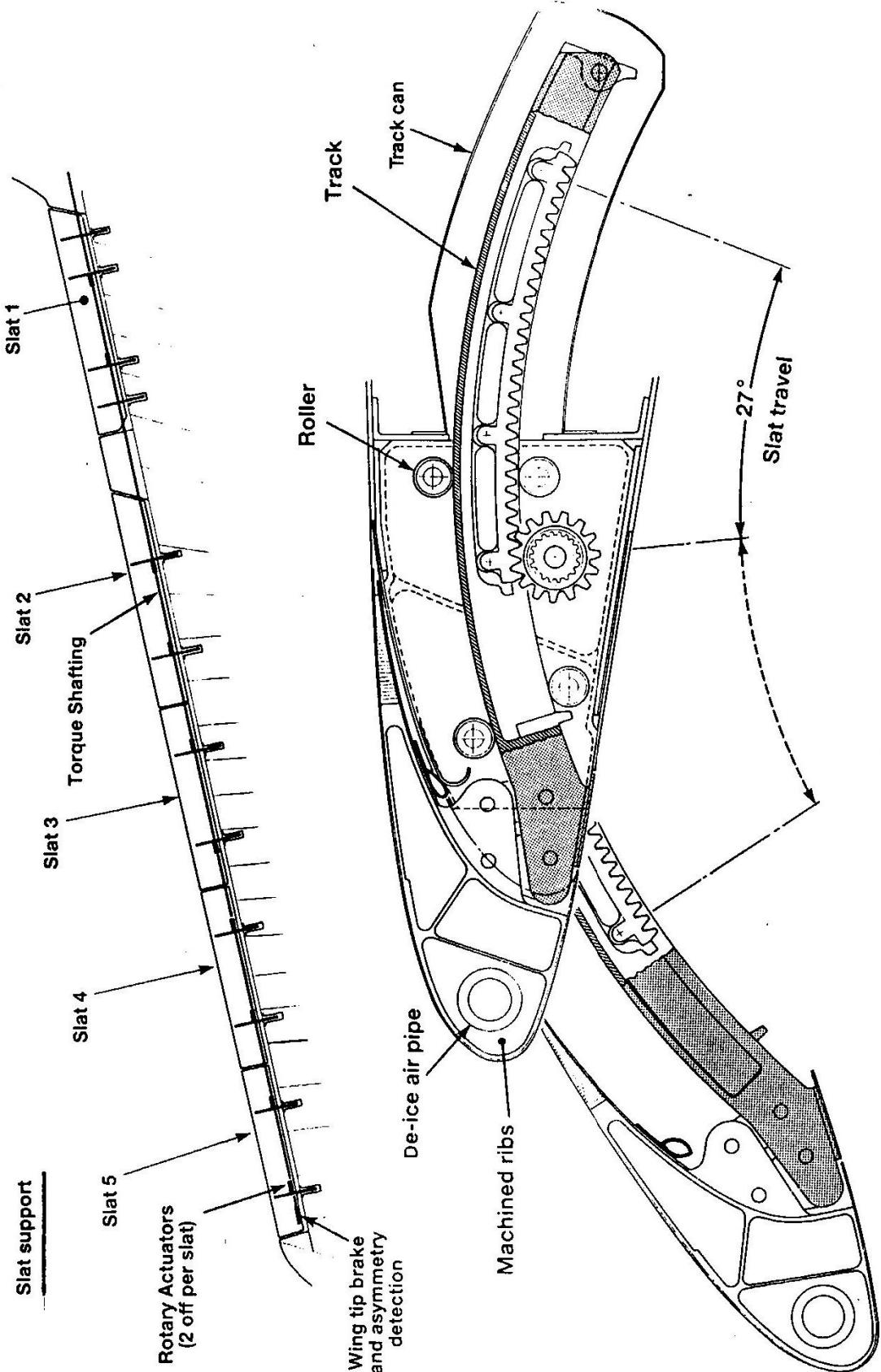


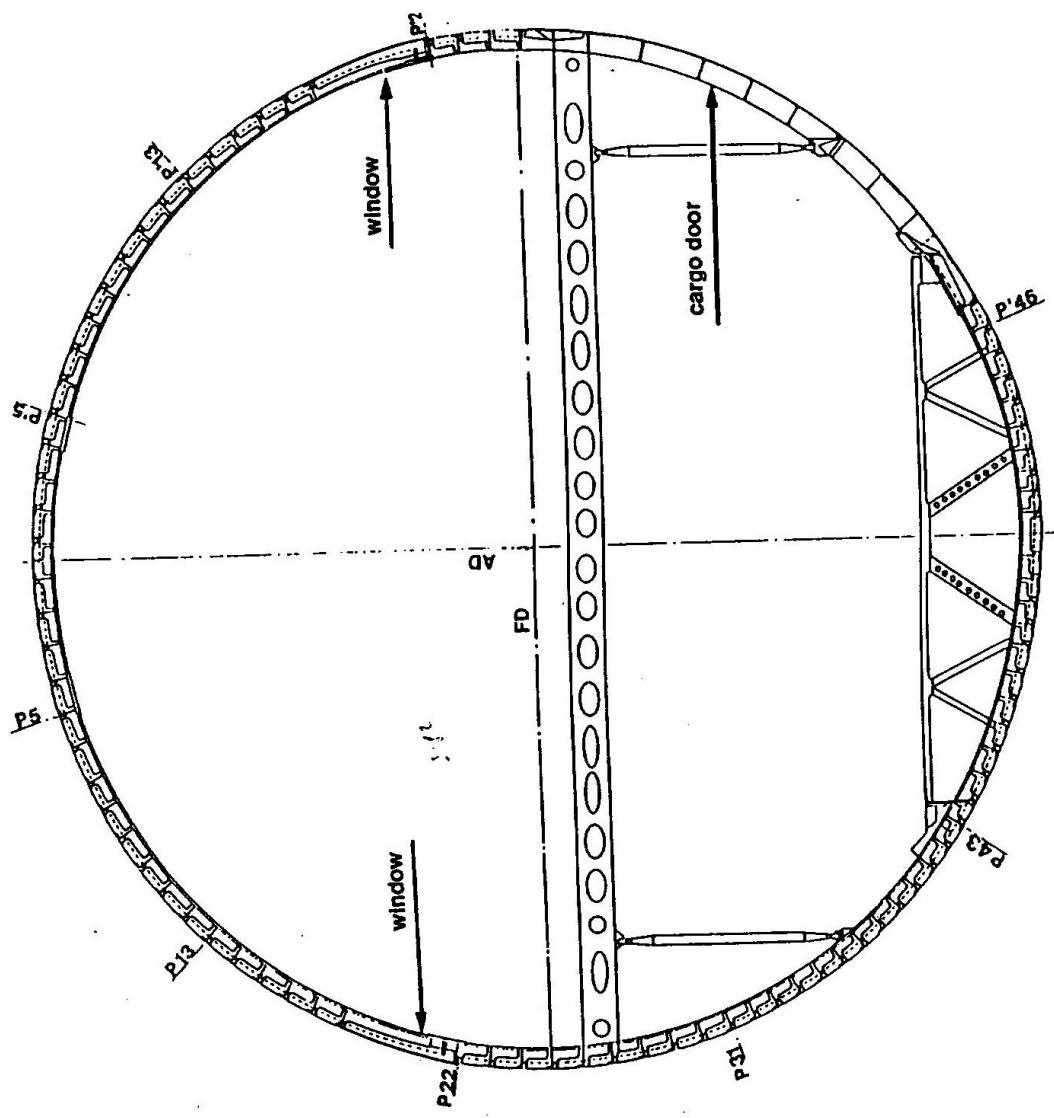
Flap actuation



**Flap support and actuation**

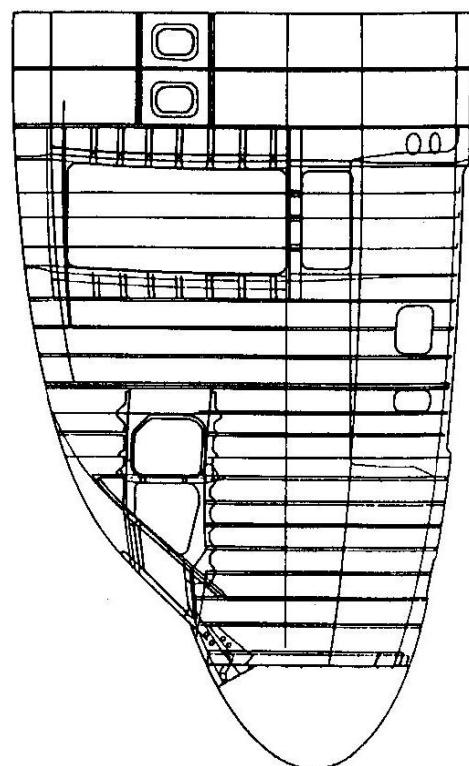
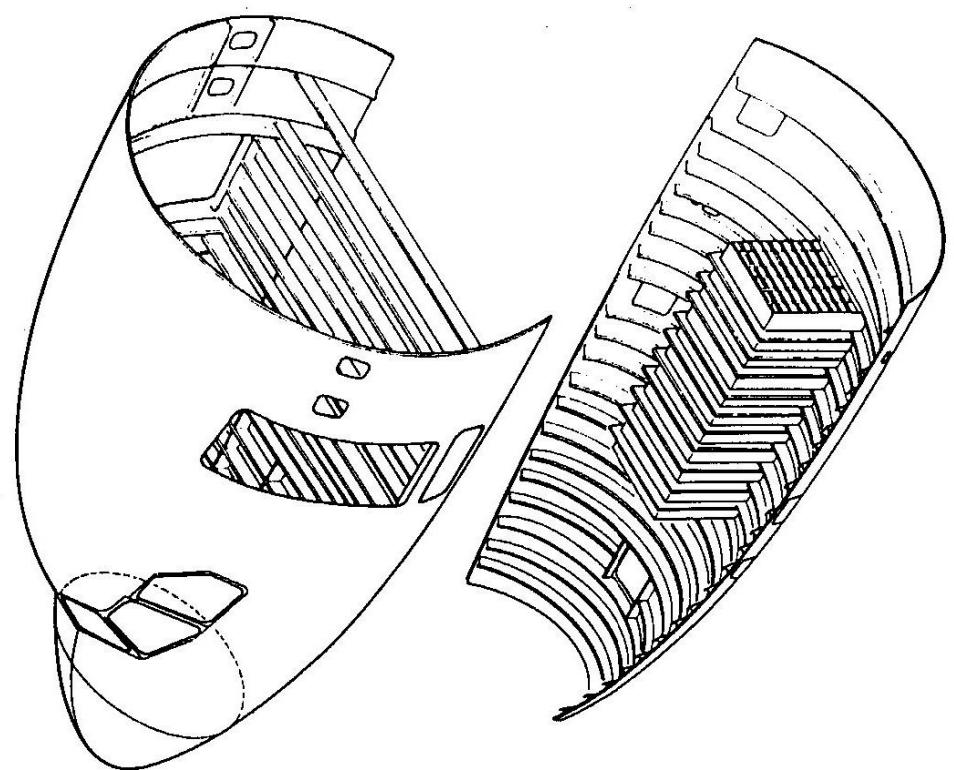




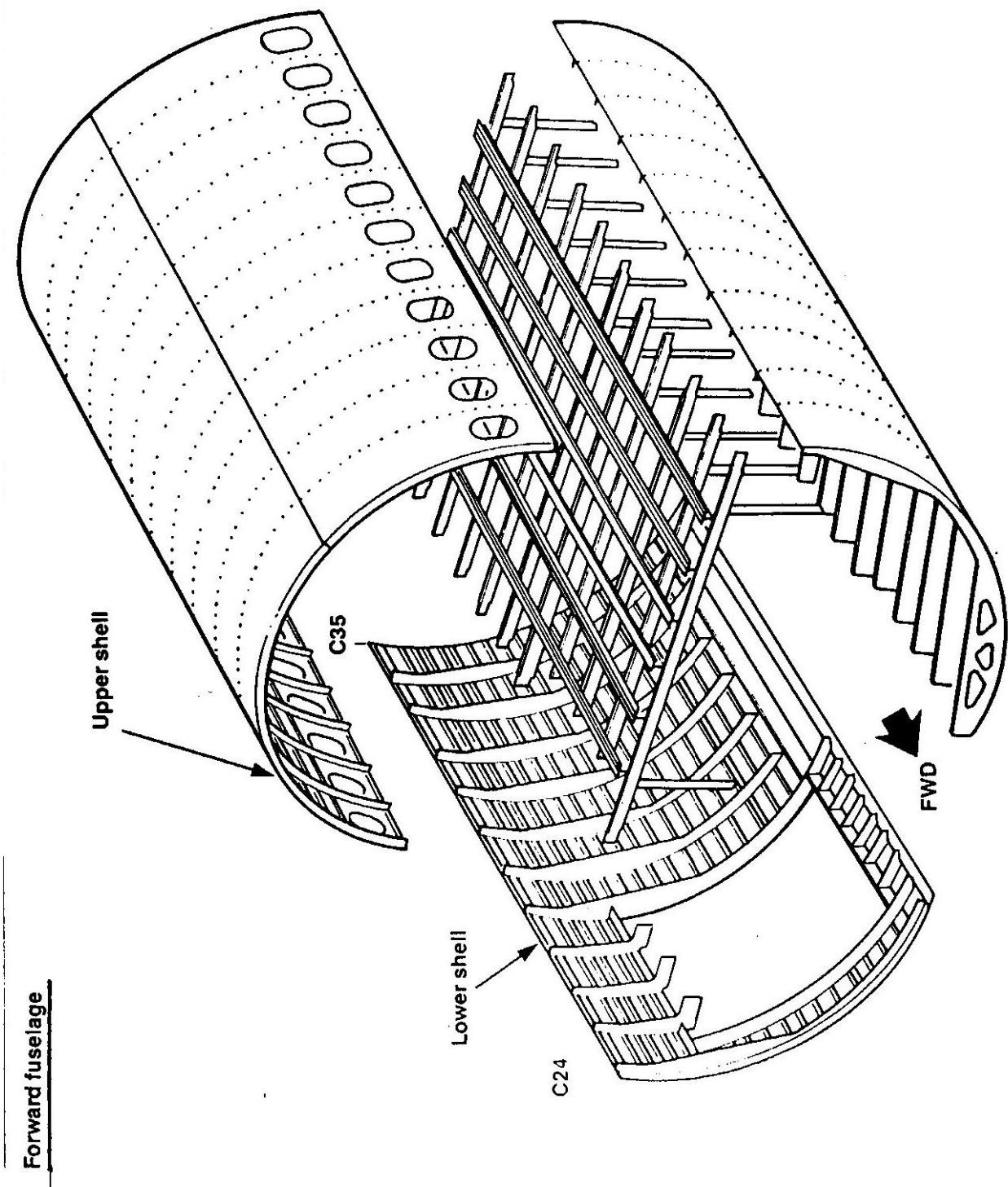


TYPICAL FUSELAGE

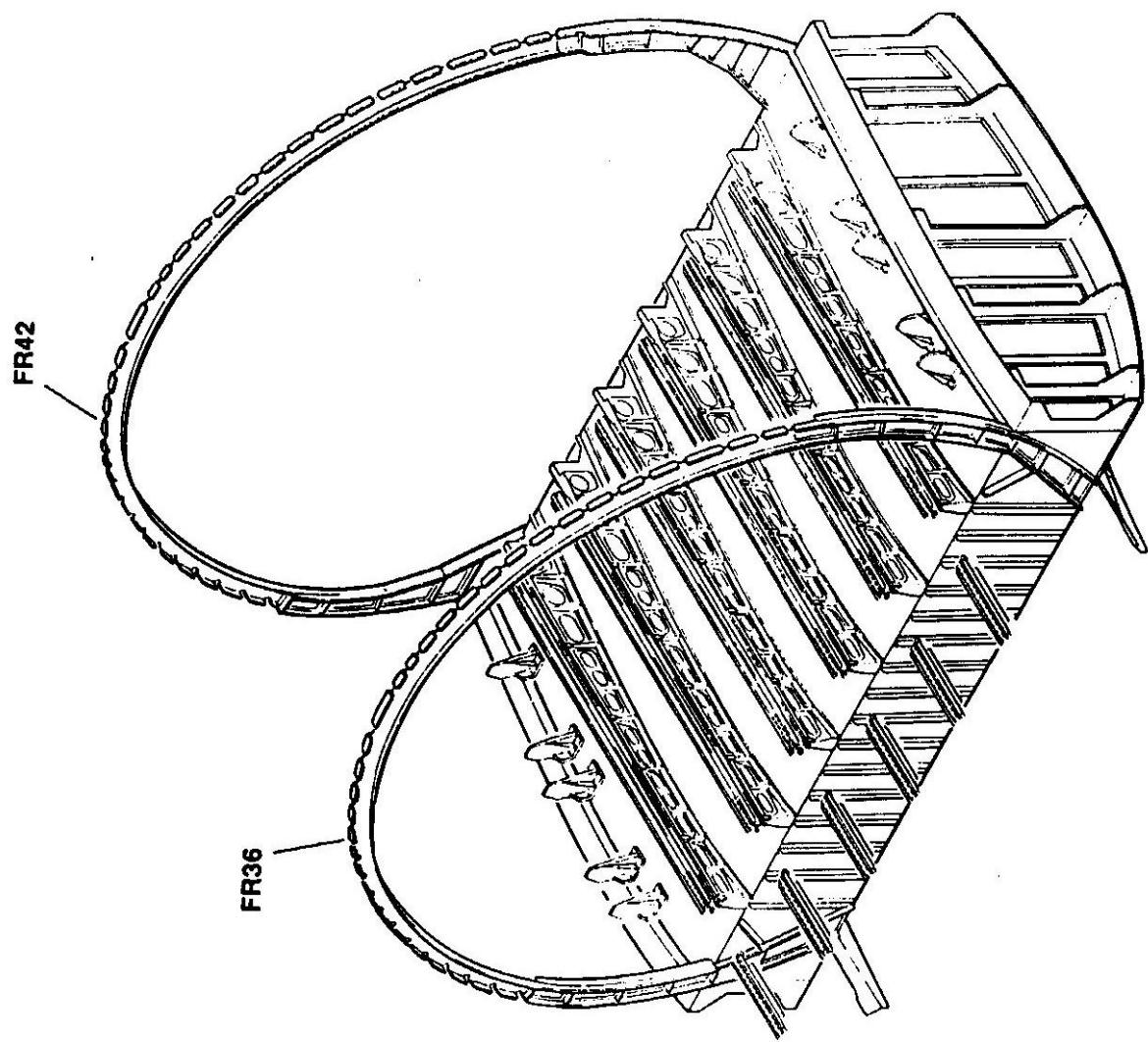
CIRCULAR CROSS-SECTION

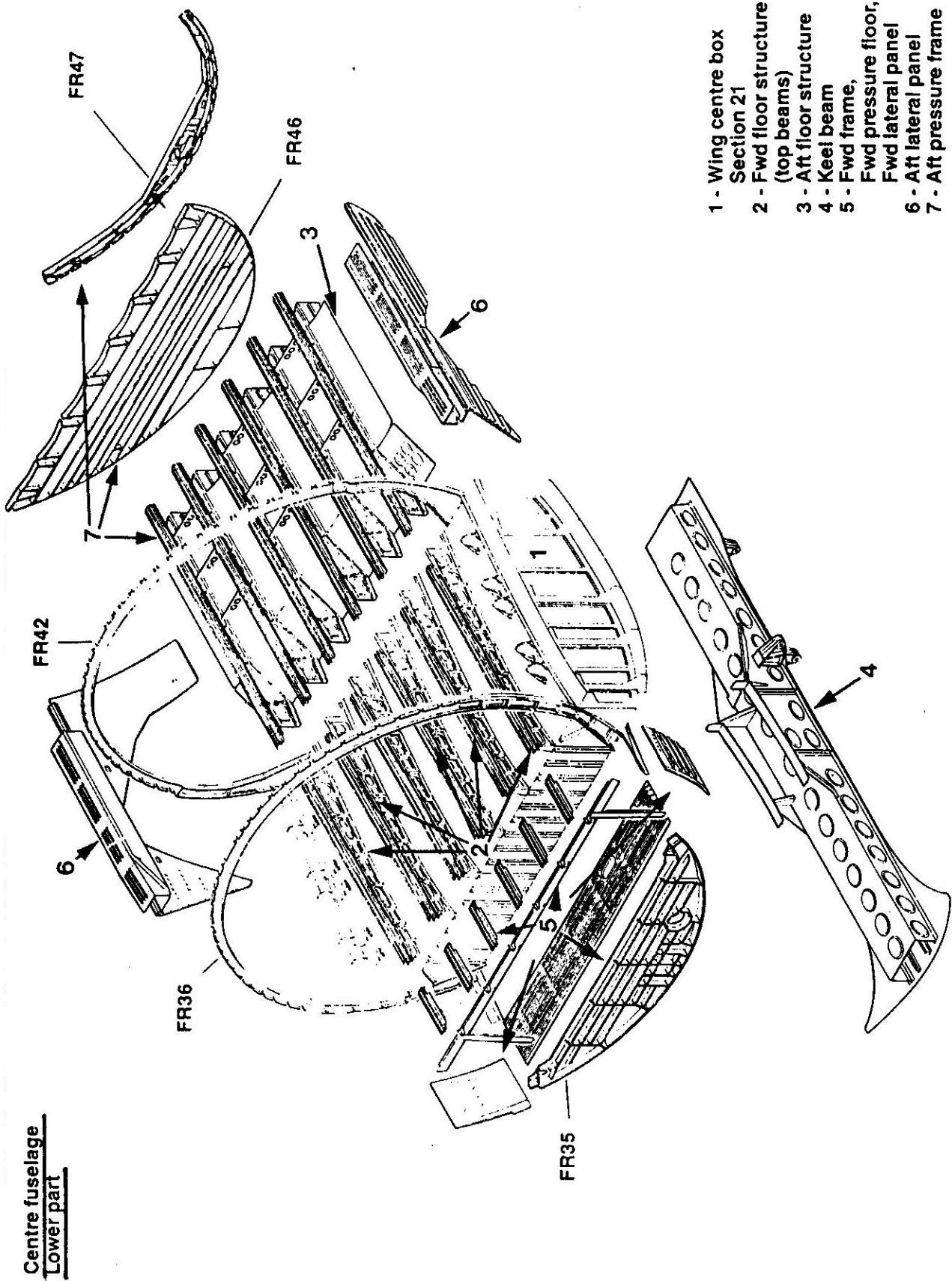


Nose fuselage

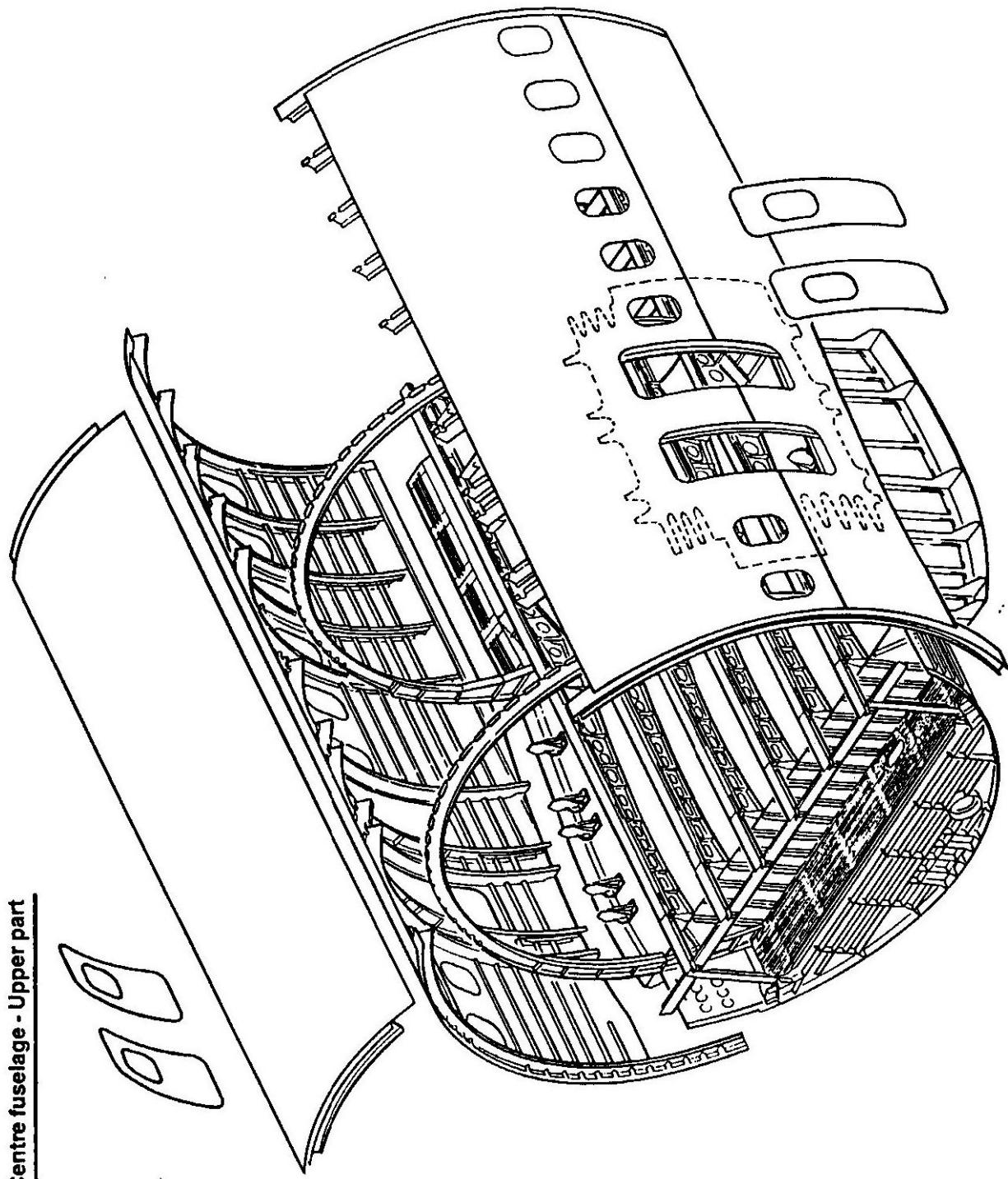


Centre wing box

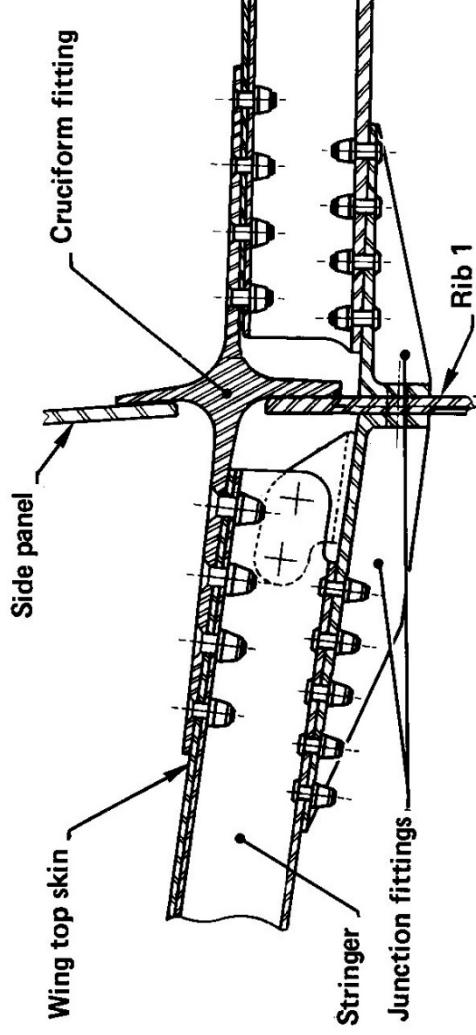




Centre fuselage - Upper part

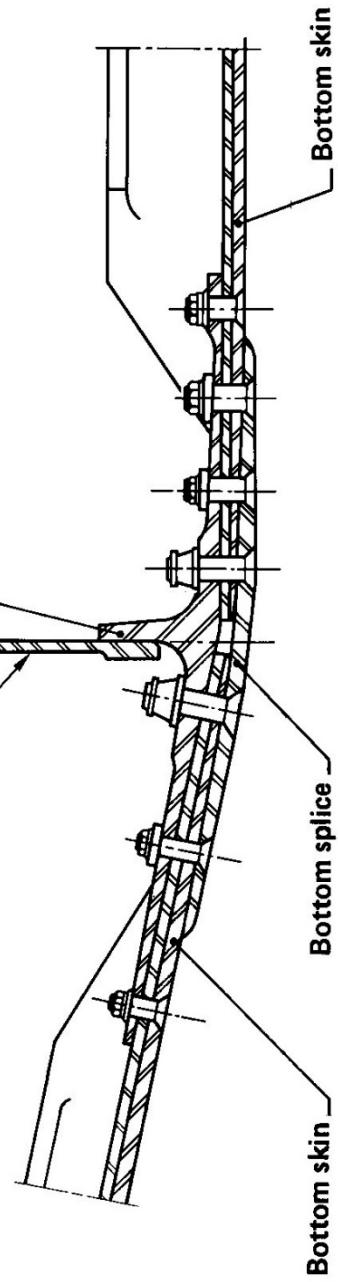


# Typical Wing/Body Joint Detail

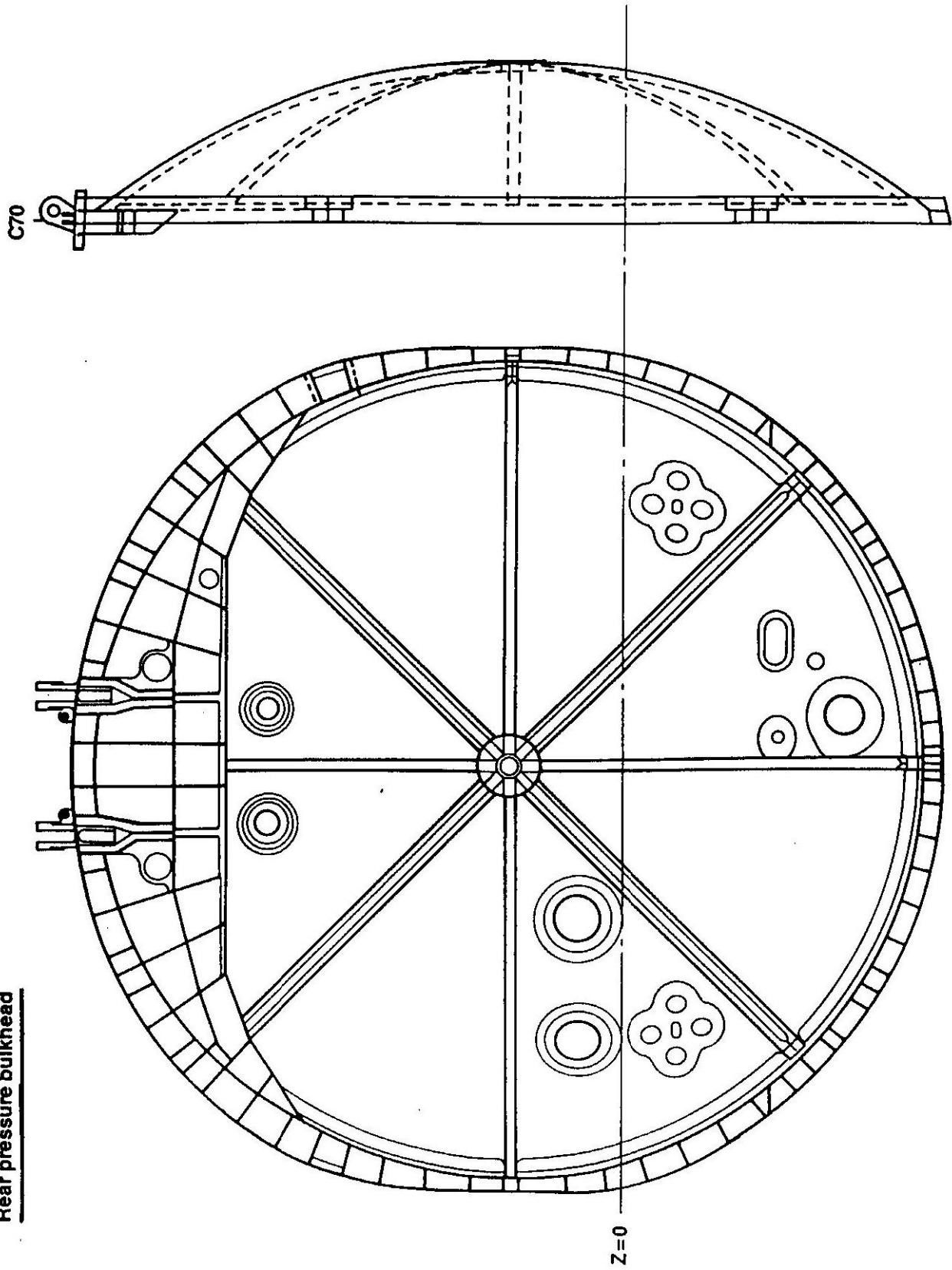


Wing box

Centre wing box



Rear pressure bulkhead



C70