CHAPTER 6 — DIMENSIONS AND CHARTS

CONTENTS — MAINTENANCE PROCEDURES

FIGURES

DIMENSIONS AND CHARTS

6-1. AIRFRAME PRINCIPAL DIMENSIONS.

Figure 6-1 depicts the major dimensions of the helicopter. Due to variations in loading and landing gear deflection, all height dimensions are approximate. With ground handling wheels installed and fully extended, height will be increased by 5.0 in. (12.7 cm).

6-2. AIRFRAME REFERENCE LINES.

6-3. STATIONS, WATERLINES, AND BUTTOCK LINES.

1. GENERAL: Station lines, including buttock lines, water lines, tailboom and baggage compartment lines, elevator stations, and main and tail rotor blade stations are used to determine locations on, and within, the helicopter. All such locators lines are measured (in inches) from known points. Therefore, these lines will not be expressed in metric equivalents within this manual.

2. STATION LINES (F.S.): Stations are vertical planes perpendicular to, and measured along, the longitudinal axis of the helicopter. Station (0) is a plane usually forward of the nose of the helicopter. Several stations are marked under the cargo door opening. Several station lines are shown on figure 6-2 at recognizable locations on the airframe. Other station locations can be measured from these lines. Tailboom stations, stations within the baggage compartment, and stations along the vertical fin are illustrated in the same manner. These stations are perpendicular to the centerline on the tailboom and fin, as applicable, because these components are mounted at an angle to the horizontal plane of the fuselage.

3. WATER LINES (W.L.): Water lines are horizontal planes perpendicular to, and measured along, the vertical axis of the helicopter. Water line (0) is a plane below the lowest point on the fuselage. Water lines can be used to measure locations as described for station lines.

4. BUTTOCK LINES (B.L.): Buttock lines are vertical planes perpendicular to, and measured to, the left and right along the lateral axis of the helicopter. Buttock line (0) is the plane at the vertical centerline of the helicopter. Buttock lines can be used to measure locations as described for station lines.

5. TAILBOOM AND BAGGAGE COMPARTMENT STATION LINES: Baggage compartment station lines are measured from the tailboom fuselage attach point to aft end of baggage compartment. Tailboom station lines are measured from aft end of baggage compartment to center of intermediate gearbox.

6. ELEVATOR STATION LINES: Elevator station lines (E.S.) are buttock lines extended through the elevator to elevator outboard tips. Fuselage station lines (F.S.) and tailboom stations (B.S.) also apply to the elevator.

7. VERTICAL FIN STATION LINES (V.F.S.): Vertical fin stations are parallel vertical lines perpendicular to the center line of the tail rotor shaft, below the leading edge of the vertical fin. Fuselage stations also apply to the vertical fin.

8. MAIN AND TAIL ROTOR BLADE STATION LINES: Main and tail rotor blade station lines are measured from the center of hub to tip of blade.

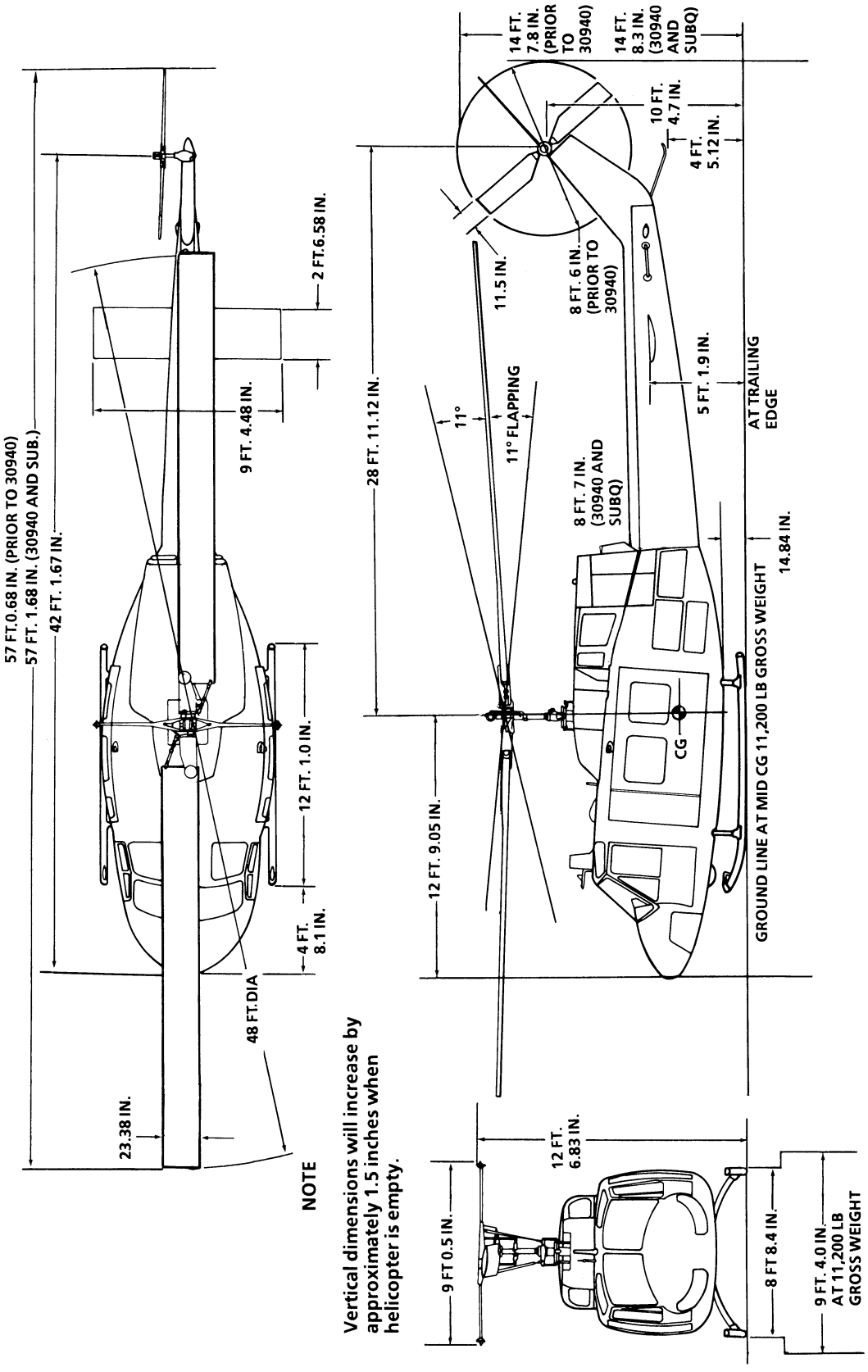

Figure 6-1. Principal dimensions

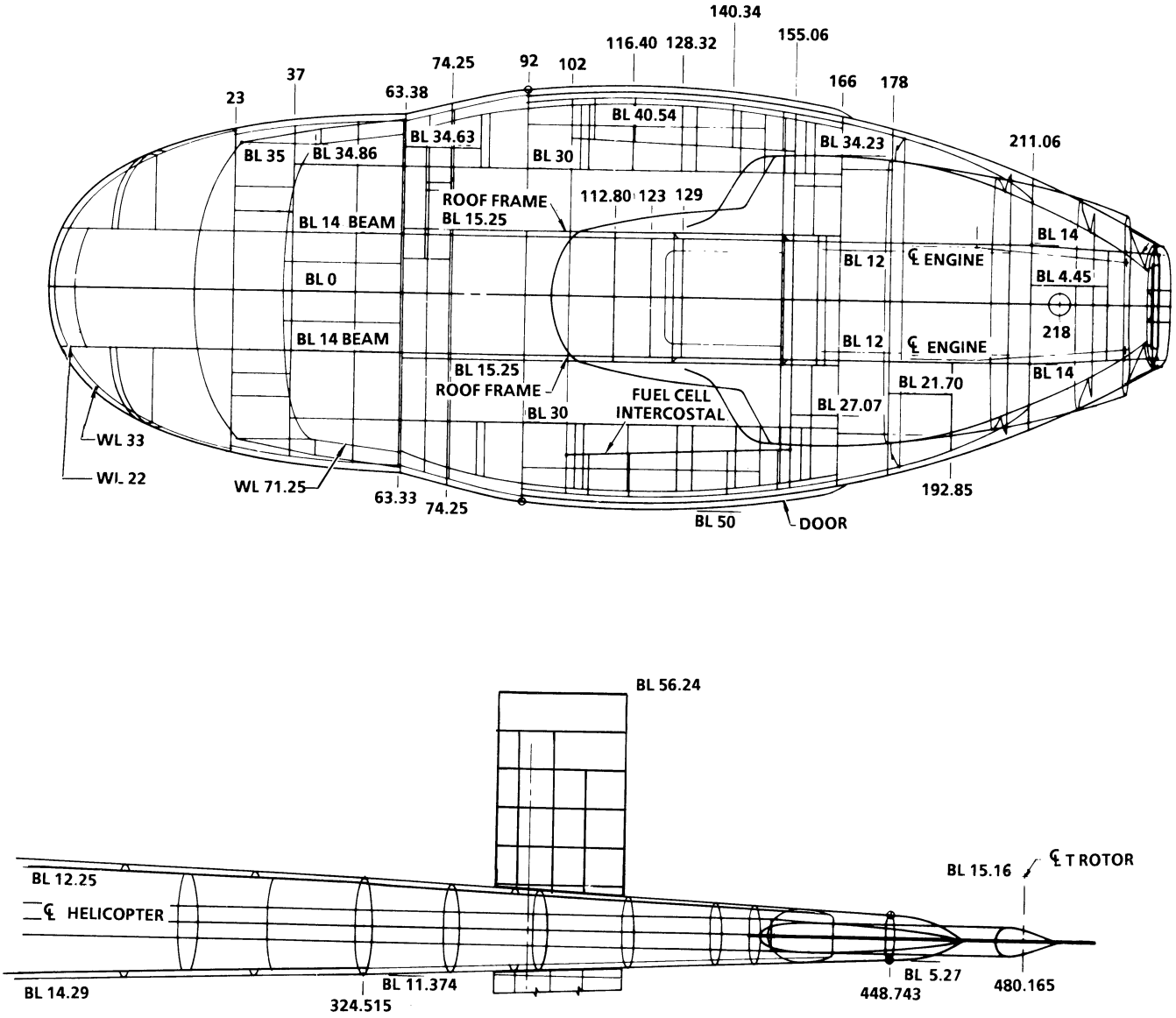

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Figure 6-2. Station diagram (sheet 1 of 2)

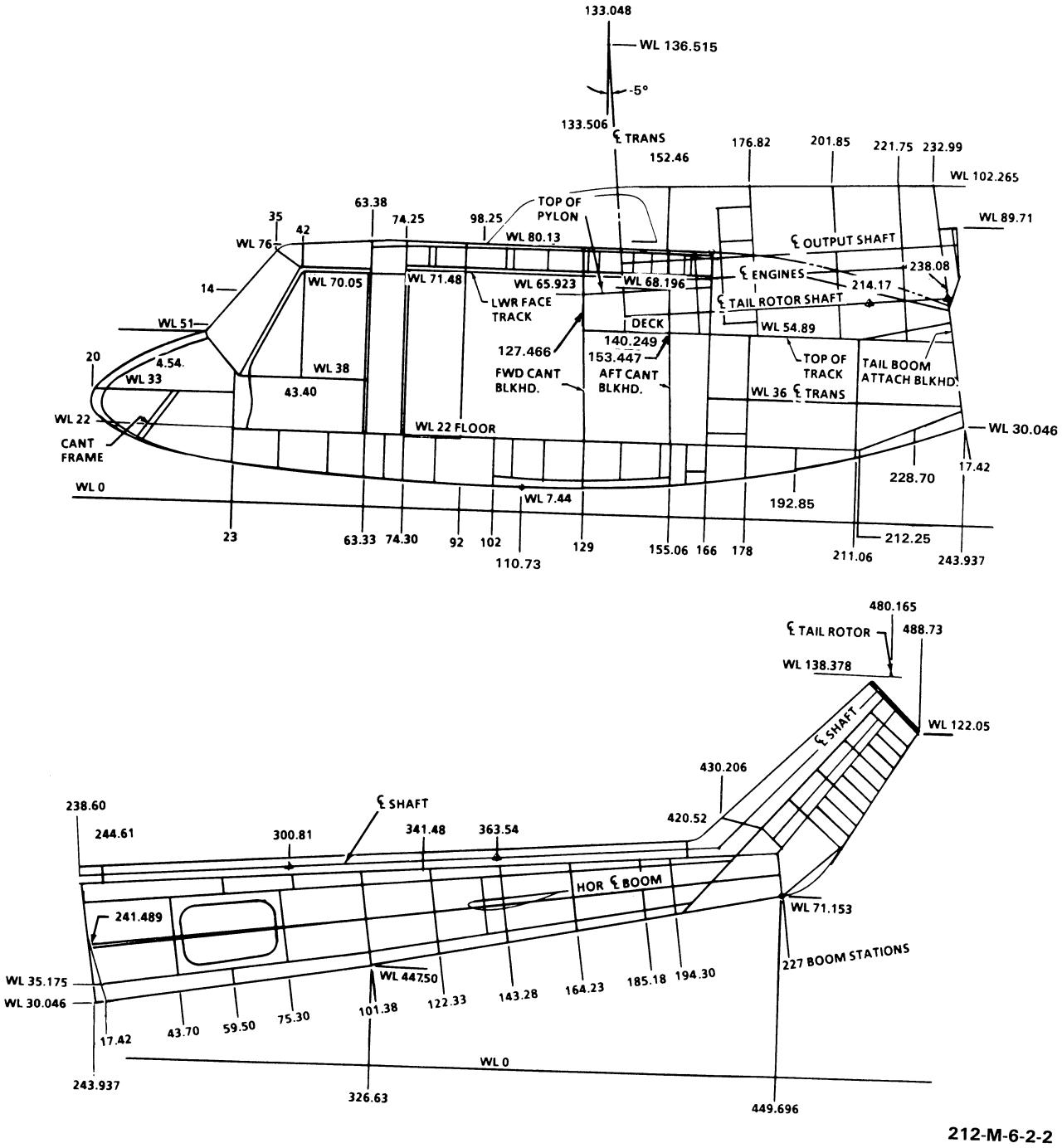

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Figure 6-2. Station diagram (sheet 2)