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CERTIFICATE OF APPROVAL No 8/31

This is to certify that the patterns of the

Dairy-Kold Maxi "15 000-litre" Farm Milk Tank

submitted by M. J. Marshall Pty Ltd,
92 Belmore Road,
Riverwood, New South Wales, 2210,

have been approved under the Weights and Measures (Patterns of Instruments) Regulations as being suitable for use for trade.

Date of Approval: 28 January 1976

The patterns are described in Technical Schedule No 8/31 and in drawings and specifications lodged with the Commission.

The approval is subject to review on or after 1 February 1981.

All instruments conforming to this approval shall be marked with the approval number "NSC No 8/31".

Signed

Executive Officer

24/9/76

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 8/31

Pattern: Dairy-Kold Maxi "15 000-litre" Farm Milk Tank

Submittor: M. J. Marshall Pty Ltd,
92 Belmore Road,
Riverwood, New South Wales, 2210.

Date of Approval: 28 January 1976

Condition of Approval:

All instruments conforming to this approval shall be marked "NSC No 8/31".

Description:

The pattern (see Figures 1 and 2) is a refrigerated farm milk tank of capacity up to 15 000 litres.

It consists of a horizontal stainless steel cylinder of elliptical or modified elliptical (picture-tube) cross-section (see Figure 3), sheathed in an outer casing of stainless steel; the cavity between is filled with insulating material. The lower part of the cylinder is refrigerated.

The maximum dimensions of the tank are: length 8,3 m, width 2,5 m, and height 1,9 m; the ratio of width to height is not more than 2 : 1. The ends of the tank are dished between 60 and 90 mm deep.

The tank is supported by cradles on a mild steel chassis which is fitted with between 8 and 14 adjustable legs (see Figure 4); the legs along each side are spaced up to a maximum of 1,5 m apart.

The tank may be fitted with one or two manholes and one or two agitator motors.

A single dipstick is provided at the outlet end of the tank. Access to the dipstick is provided by a ladder. A "Roman level" is fitted. It comprises a fixed-tube system filled with water-glycol mixture and a transparent-glass sight glass at each corner of the tank (see Figure 5). A scale with a graduation width of 2 mm is fitted to each sight glass. Adjacent to the dipstick is a notice advising that the level condition of the tank should be adjusted

if the liquid level in the four sight glasses differs by more than 1 mm.

Capacity-level marks are located near each corner of the tank at approximately the height of the maximum liquid-surface area and a corresponding mark is inscribed on the back of the dipstick. The five marks are denominated "level mark".

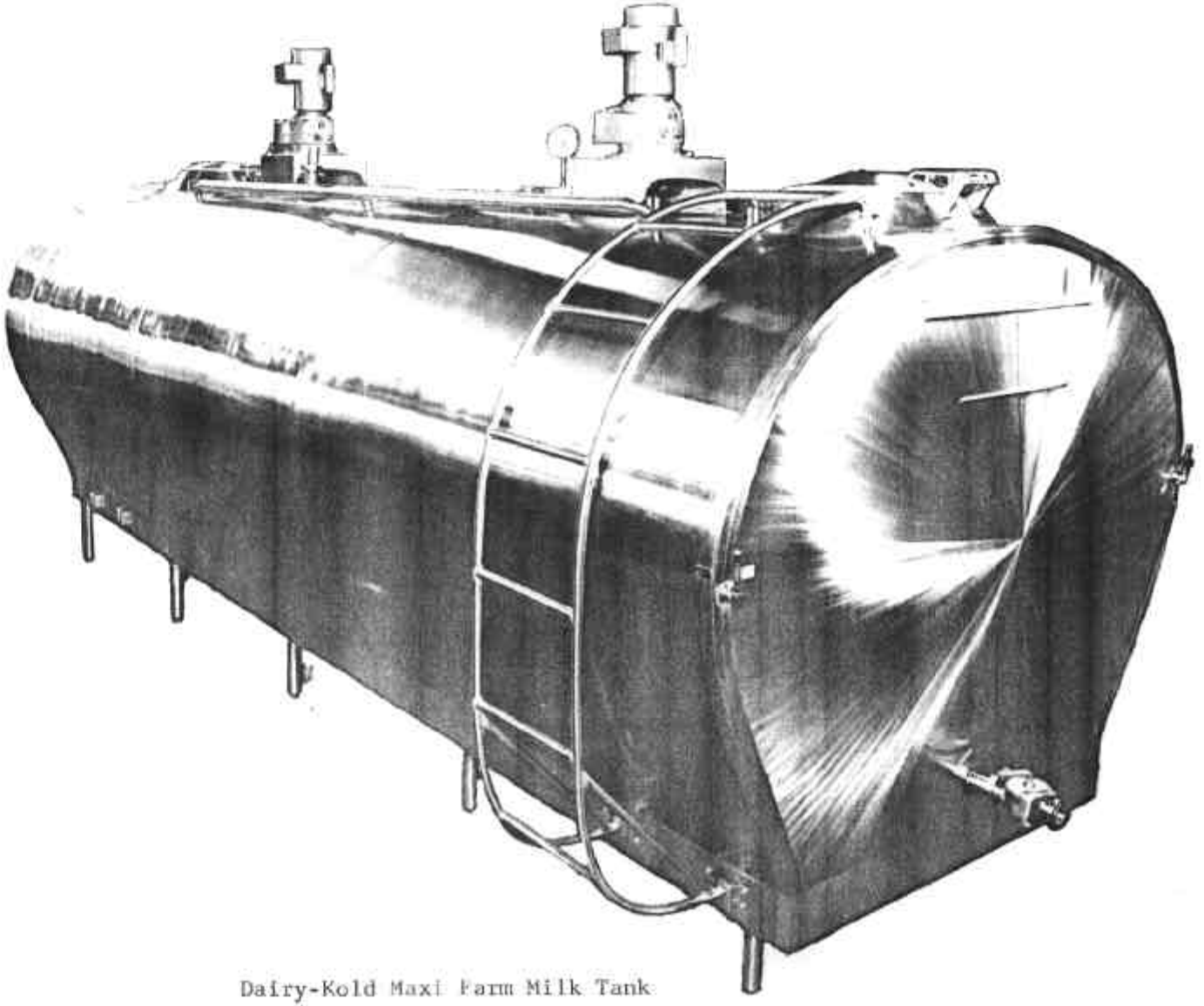
The outlet-control device may be an internal valve (see Figure 6) or stainless steel removable cock.

The approval includes:

1. the tank being unrefrigerated; and

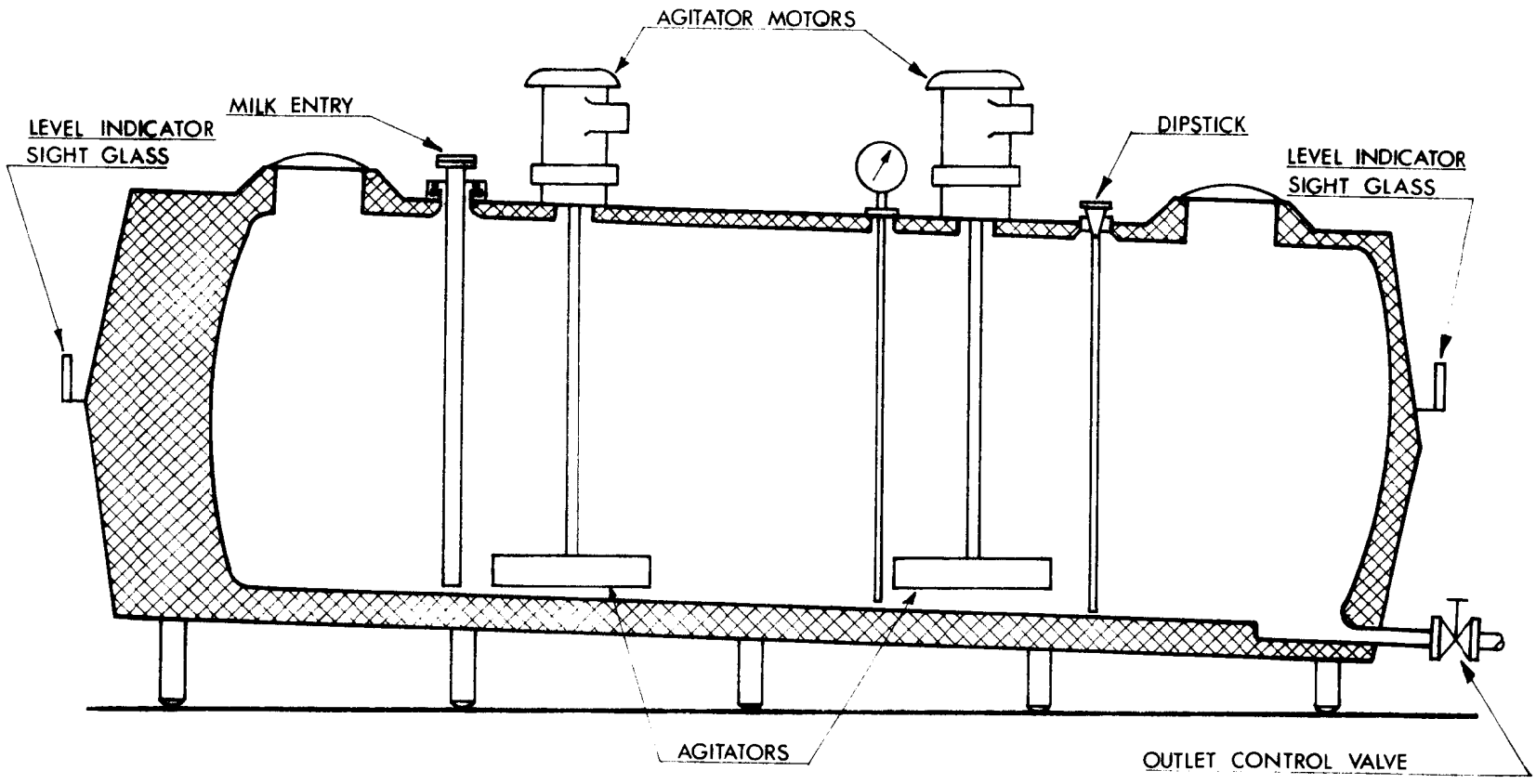
2. the "Roman level" sight glasses fitted with a protective shroud.

FIGURE 8/31 - 1



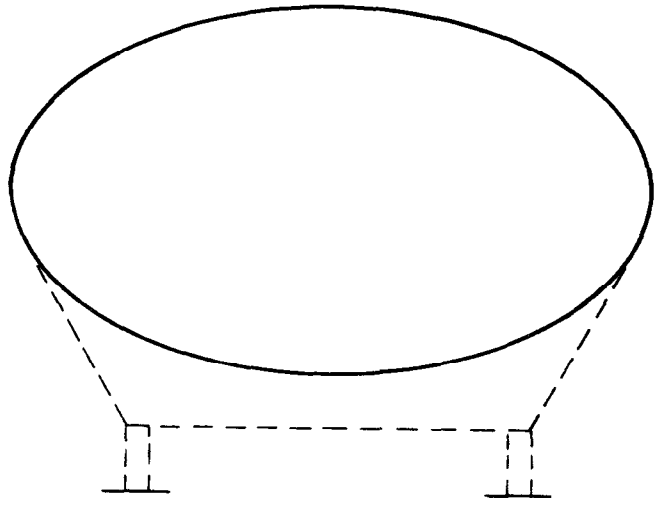
Dairy-Kold Maxi Farm Milk Tank

FIGURE 8/31 - 2

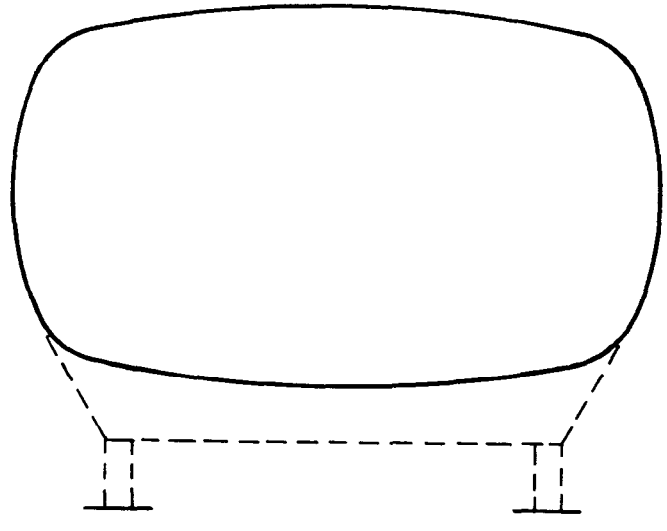


Longitudinal Elevation

FIGURE 8/31 - 3



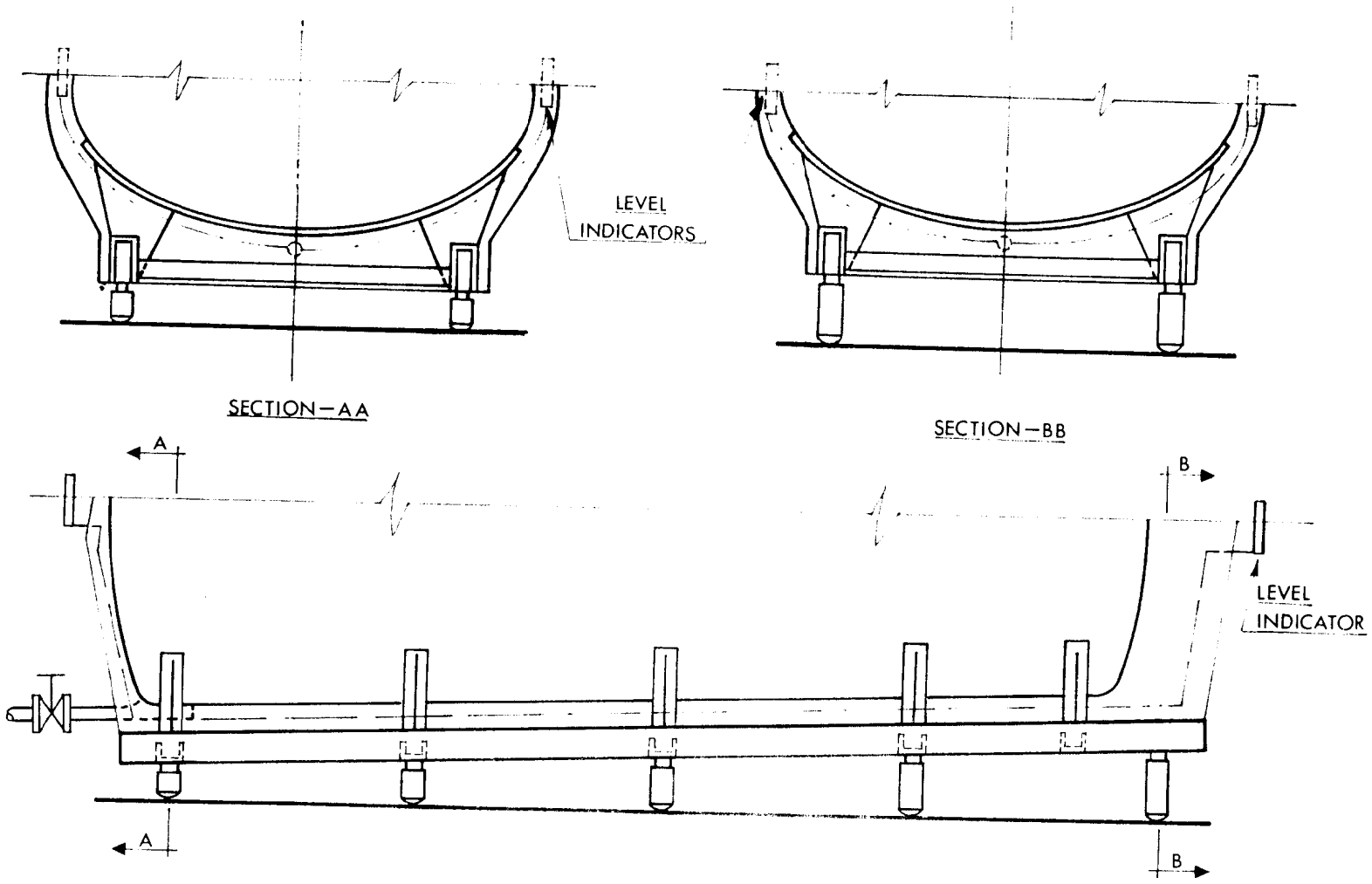
(a) Elliptical Cross-section



(b) Modified Elliptical Cross-section
(Picture-tube)

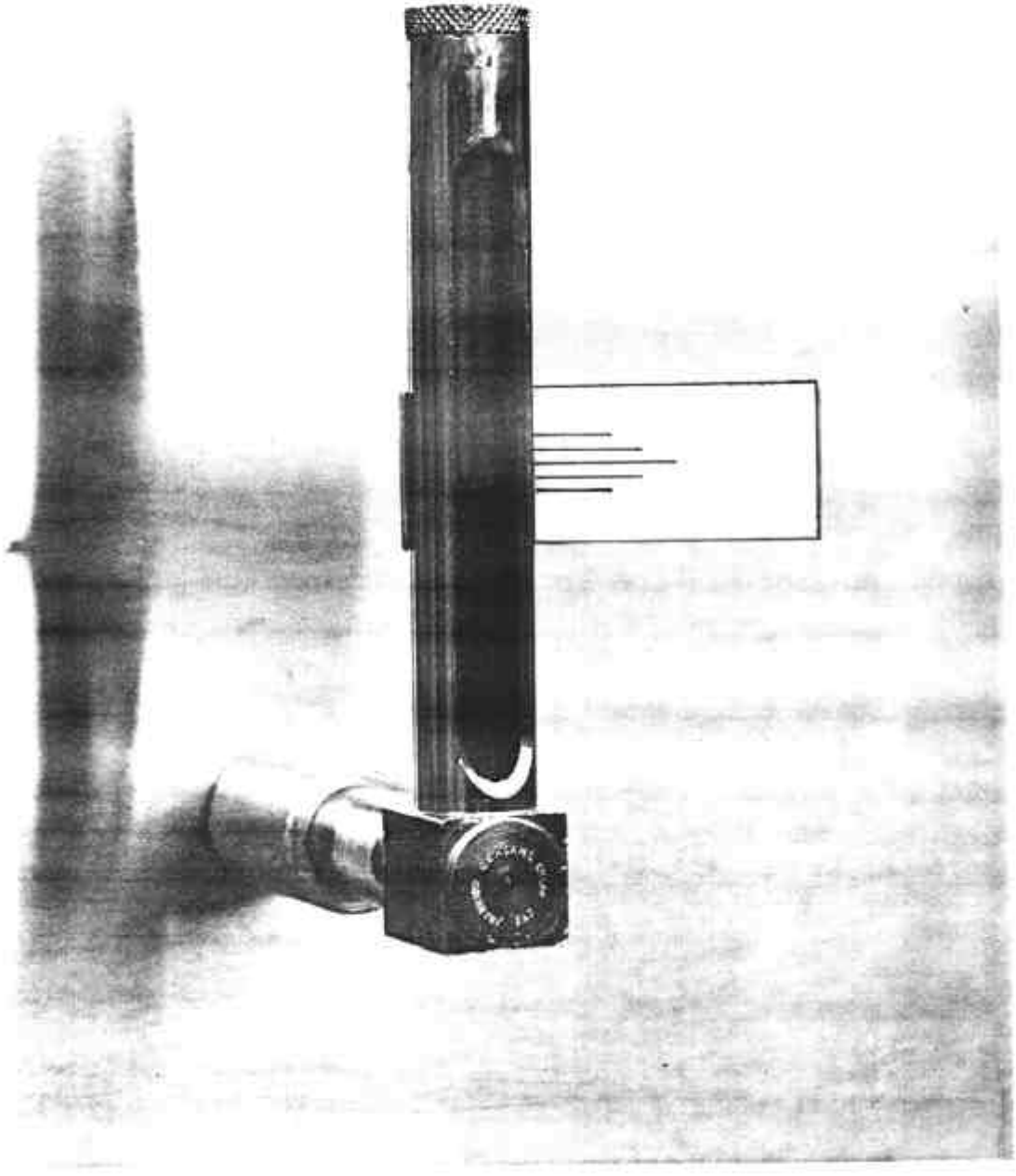
Cross-sectional Elevation

FIGURE 8/31 - 4



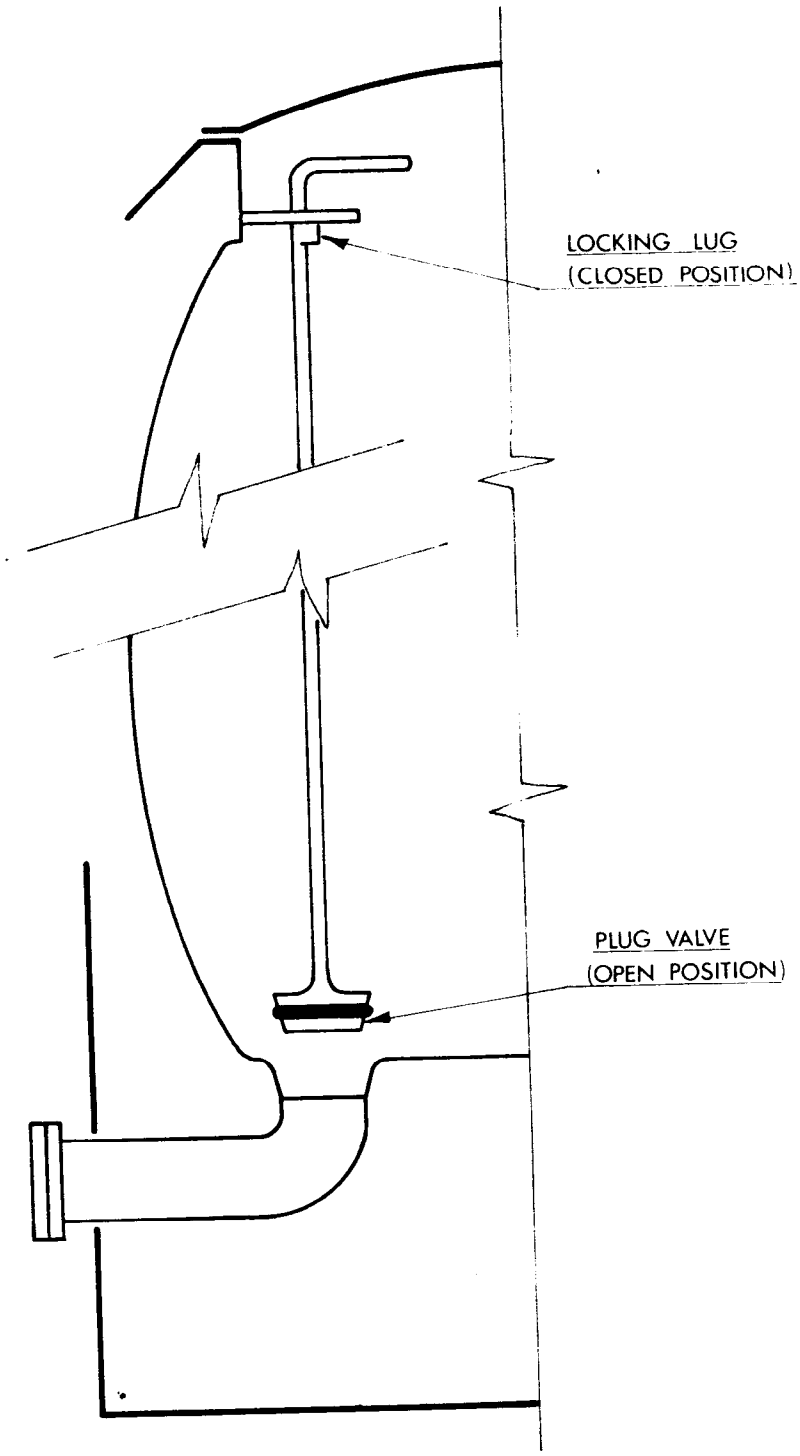
Chassis Details

FIGURE 8/31 - 5



"Roman Level" Sight Glass

FIGURE 8/31 - 6



Internal Valve