

SPECIFICATION RT57-03-07-02

SPECIFICATION FOR PRISON VAN BODY, THREE COMPARTMENT, FOR 4TON PAYLOAD TRUCK

1. GENERAL CONSTRUCTION:

A totally enclosed body of all aluminium construction with integral roof and sides is required. The body shall be divided into the following compartments:

- a) A 1 050 mm long front compartment
- b) A 3 500 mm long main compartment
- c) A 910 mm long rear compartment that is longitudinally divided to form a guard's compartment and an additional compartment of equal size.

Particulars of offer: _____

2. FLOOR:

The floor shall be 3 mm thick steel plate with a chequered pattern on the upper surface.

Particulars of offer: _____

3. ROOF, SIDES AND PARTITIONS:

The roof, sides and dividing walls shall be of corrugated aluminium sections and shall be of single-wall construction.

Particulars of offer: _____

4. WINDOWS:

Widney Type C/BC/024 or equivalent windows shall be fitted in the sides of the body as follows:

- Front compartment 1 250 mm x 350 mm in front of body.
- Main compartment 1 250 mm x 350 mm - two on each side.
- Rear compartments 450 mm x 350 mm fixed on rear side and sliding of far side.
- Windows between compartments shall be as follows:
- Between guard and main - 450 mm x 350 mm
- Fixed between guard and extra 450 mm x 350 mm fixed
- These windows to be glazed with 6 mm Armourplate toughened glass for fixed windows and 4 mm armourplate toughened glass for sliding windows.

Particulars of offer: _____

5. PROTECTION:

Windows shall be protected with:

- a) Externally 5 mm diamond wire mesh except guard compartment rear window.
- b) Three equally spaced bars over the depth of the window.
- c) The Bars shall run along the full length of the relevant compartment. Bars to be 12 mm dia mild steel rod / pipe. Bars shall be permanently fixed to the body. Spacers shall be provided at regular intervals for strength.

Particulars of offer: _____

6. DOORS:

Each compartment shall be fitted with Aluminium doors as shown on drawing TV 60/1.

- Door size: 650 mm wide by 1 600 mm high.
- Door shall be of single construction similar to that of body.
- Door shall be reinforced where necessary.
- Door shall be fitted with full length heavy duty piano hinges.
- Door shall be constructed so to close on suitable seal to prevent rattling of the doors.
- Door shall be fitted with 25 mm x 4 mm tubular handrails that are flanged and bolted to the door.

Particulars of offer: _____

6.1 LOCKS ON DOORS

Guard compartment door shall be fitted with a standard handle and lock mechanism. All other doors shall be fitted a 20 mm mild steel locking bar, drilled and recessed to accommodate a medium size padlock. See drawing for details. The locking bar shall be guided with 6 mm tooled steel guides.

Particulars of offer: _____

7. SEATS:

- Seats in all compartments shall be 500 mm above floor level.
- Seats width shall be 300 mm for single row and 610 mm for double row seats.
- Seat material shall be 30 mm thick hardwood suitable smoothed and bolted to rigid supports.
- Seat support shall be bolted to the floor.
- Carrying capacity of seat shall be not less than 150 Newton per meter.
- Seats in guard compartment shall be similarly constructed but shall be padded and provided with a padded backrest (no. 13 & 14 on drawing).

Particulars of offer: _____

Commented [DJE1]: i.e. 15kg/m

7.1 SEAT LOCATION:

FRONT COMPARTMENT:

Underneath window a 2 300 mm long seat as indicated on drawing item 25.
Against partitioning wall a 1 400 mm long seat (item 24)

MAIN COMPARTMENT:

Against front partition wall a 1 400 mm long seat (item 24).
Against sides a 2 500 mm long seat (item 17).
Centrally a 2 500 mm double seat (item 20).

GUARD COMPARTMENT:

Against partition wall a 770 mm long padded seat with backrest (item 14).
Below rear window a 320 mm long padded seat (item 13).

SMALL REAR COMPARTMENT:

Against partition wall a 770 mm long seat (item 7).
Below rear window, in corner a 320 mm long (item 3).

Particulars of offer: _____

8. HANDRAILS:

The roof of the main compartment shall be equipped with a handrail, of 25 mm ID galvanized steel tube with wall thickness not less than 4 mm, that extends over the entire length of the compartment (item 19).

The handrail shall be suspended in a position corresponding to the centre of the corridor between the seats and shall be capable of carrying a load of 150 kg per meter length.

Handrails of 25 mm ID steel tube of wall thickness at least 4 mm, that are flanged and fixed to the body shall be provided at each door as shown on drawing (item 5).

NOTE: Handrails are also required inside the compartments for easy access.

Particulars of offer: _____

9. STEPS:

Recessed steps shall be provided underneath the entrance to a compartment (item 30).

The steps shall not cause injury to user and shall be at least 100 mm deep.

Suspended steel step shall be fitted on the side below the doors (item 28).

The steps shall divide the distance between ground and compartment floor in three.

Wide of tread to be 120 mm.

All steps shall have chequered plate tread and shall be strong enough to carry a total mass of 200 kg.

Particulars of offer: _____

10. VENTILATORS:

The roof over each compartment shall be furnished with ventilators as follows:

Front compartment - two

Main compartment - ten (four on the centre, three each side over the handrails)

Rear compartments - one for each compartment

4 Forced draught extractor type ventilators shall be sized and spaced to cause sufficient ventilation when the van is traveling at 50km/h

Particulars of offer: _____

12. STATUTORY REQUIREMENTS:

The body shall comply with the requirements of the Road Traffic Management Act (Act 29 of 1989) as amended.

Particulars of offer: _____