

PURCHASE DESCRIPTION
TEST REQUIREMENTS FOR WALL BEDS

The contractor is responsible for conducting performance test requirements as specified herein. The contractor may use his own or any other facilities suitable for the performance of the tests. The Government reserves the right to witness any tests where such inspections are deemed necessary to assure that the wall beds meet all test requirements.

General Test Requirements.

Evidence of compliance with the following test requirements shall be provided as specified in "Certification Requirements" under "General Technical Requirements" in the "Technical Requirements" document of the solicitation.

Tests.

A. Bed Mechanism Cycle Test.

Shall be performed on the **KING SIZE OR LARGEST** model being offered.

Bed mechanisms shall be cycle tested by means of attaching a mechanical arm to the frame of the wall bed so that it continually lifts and lowers the bed from a use or horizontal position to stored or vertical position. During the course of testing, no maintenance, lubrication or alterations to the bed are permitted. Perform the cycle test by continually lifting and lowering the wall bed from the use/horizontal position to a stored/vertical position 10,000 times at a rate of 2 cycles per minute.

After testing, manually repeat the lifting and lowering cycle while inspecting for any impaired operation of the bed mechanism, binding or damage of components. Failure of the wall bed mechanism to operate smoothly and quietly without increased effort, shall be cause for rejection.

B. Stability Test. (See Figure 1.) Test is applicable to **TWIN SIZE** wall bed models where the location of the bed pivot point is **not** behind the bed frame (space exists between bed pivot point and headboard). The purpose of this test is to evaluate the ability of the bed to resist closing up when a person applies their weight to the head end of the bed.

Place the wall bed in the use/horizontal position. Apply an evenly distributed mass that exerts a 1000 N force in the area between the bed pivot point and the headboard. Force shall be applied for one minute.

Failure of the wall bed to remain in contact with the floor or level surface where it is tested, shall be cause for rejection.

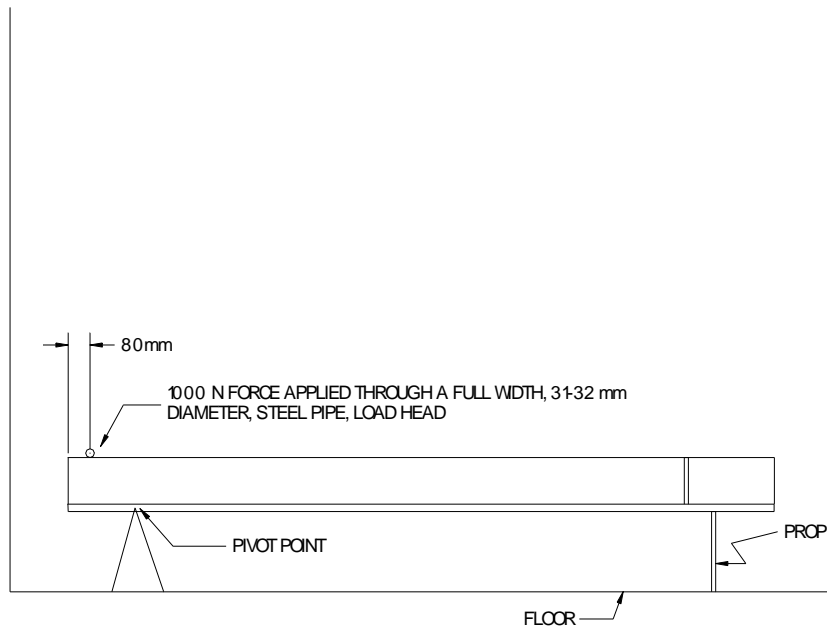


FIGURE 1