

Section 6

Pedestal Overturning Moment Test

Purpose:

To determine the overturning moment an access floor pedestal assembly and its application to the sub-floor can resist.

Preparation:

1. A minimum of five (5) pedestal assemblies shall be secured to a sound unsealed surface consistent with practice normally found in actual installations. Application methods shall be noted in report and may include adhesive and/or mechanical fasteners.

Note: Where pedestals are not axisymmetric, additional sets of pedestals may need to be tested to verify the weakest direction of force application.

2. For adhesive application, follow manufacturers' adhesive application procedure and allow to cure for the minimum cure time recommended by the adhesive manufacturer.
3. For mechanical application, follow fastener manufacturers' recommended procedure.

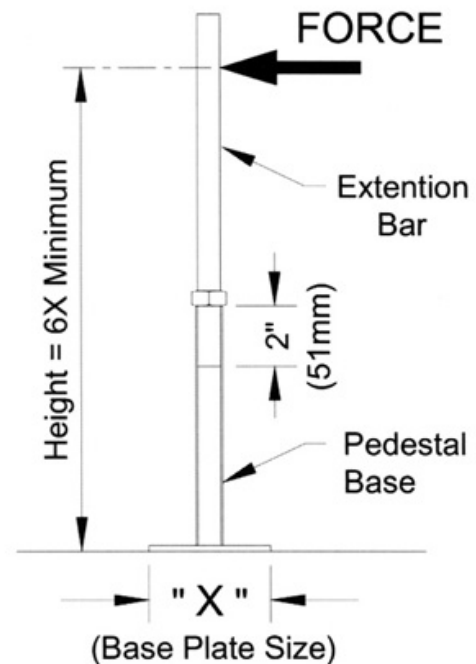
Test Procedure:

1. Lateral loads shall be applied slowly and continuously to the prescribed location of the assembly until any failure of the pedestal assembly or its methods of application to the sub-floor occurs. Where pedestals are not axisymmetric, loads shall be applied in the direction which will result in the least overturning resistance.

Report:

1. Reference of testing procedure described herein by Cisca A/F section number shall be included in report.
2. All apparatus, equipment, instrumentation, accuracy ranges, etc. shall be described including equipment calibration/certification dates.
3. Materials tested and load application configuration shall be fully described and referenced to manufacturers' drawings and/or part numbers containing the following:
 - Materials of construction, weight, nominal dimensions and thicknesses.
 - Adhesive if used, designate the manufacturer, product description, and identifying commercial stock numbers, etc., curing time and conditions.
 - Mechanical fasteners, if used, shall be identified by manufacturer, type, catalog number, size, and depth of engagement.
4. If mechanical fasteners are used, state the number used, location of fasteners in base plates, and relationship dimensionally of fastener locations to applied loading direction. Also state method of application. The height measured from the sub-floor to the horizontal location of the applied load (moment arm) shall be reported along with the applied load for each loading.

5. Type of overturn failure and description thereof shall be reported for each test. Where forces have been applied in more than one direction, report worst-case (weakest) results in addition to any other results.



TEST SETUP FOR
PEDESTAL OVERTURNING MOMENT
(Fig. 5)