

ALLEGATO 1.
(CUP: B83G12000340002 - CIG: ZE9103C844)

Seismic resistance

Assessment of seismic serviceability limit and seismic safety limit

The serviceability limit of the curtain walling kit shall be assessed by imposing horizontal in-plane racking movements as reported in 1 e 2 prior to re-testing for air permeability and watertightness. The test specimen should be subjected to three cycles of movement as follows:

- Movement to one extreme position;
- Movement to the other extreme position;
- Return to the original position.

The extreme position should be the displacement at the seismic serviceability limit.

Test chamber elements representing the primary building structure shall be displaced to produce the specified movements. Each test shall consist of three (3) full cycles. (herein, a cycle is defined as a full displacement in one direction, back to the originating point, full displacement in the opposite direction, and back to the originating point.)

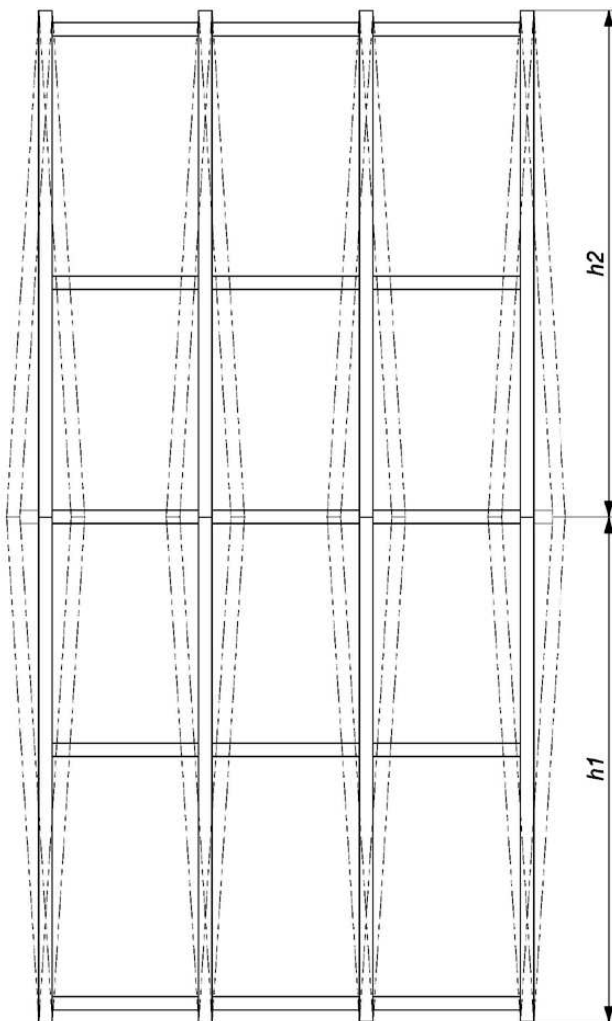


Figure 1. — Test specimen for stick construction two storeys height

For unitized construction the test specimen shall be subjected to the movement shown in Figure 2. The height h shall represent the intended construction. The specimen should contain at least two panels in the width and two panels in the height.

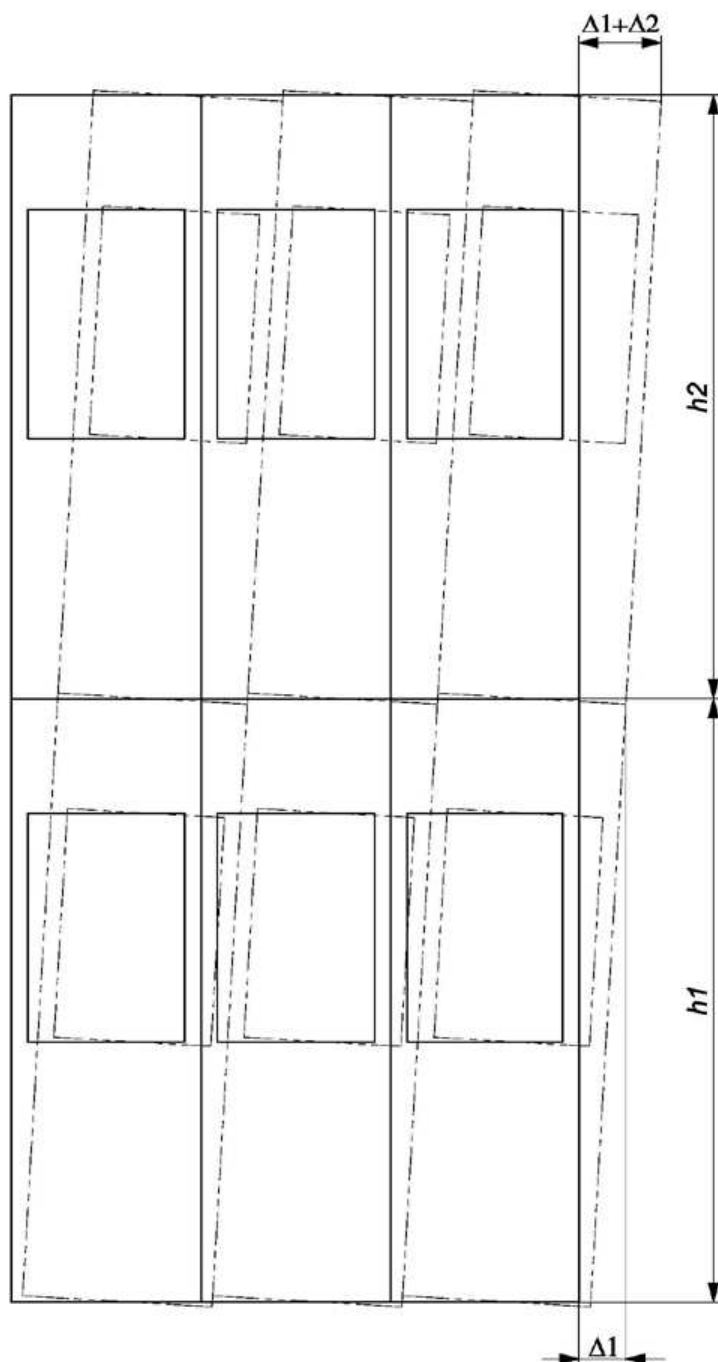


Figure 2. — Test specimen for unitized construction two storeys height

San Giuliano Milanese 22.07.2014