

Architectural specifications

Suspended Ceilings Kwikloc Seismic Regal/ Corporate Systems

General

Provide a Kwikloc Seismic aluminium exposed grid system as manufactured by Studform.

Material

The exposed aluminium grid shall be Kwikloc, Regal 24mm or Corporate 32mm) powdercoated (satin white) as manufactured by Studform. The Kwikloc grid shall consist of high grade aluminium powdercoated (specify satin white or other).

All materials shall meet the requirements of AS 2785 – Suspended Ceilings Design and Installation.

Installation

The main tees (KL 3600 / KLTH 3600) shall be spaced at 600mm or 1200mm centres supported from the structure by either a 2.5mm or a 4mm soft galvanised rod at 1200mm max. centres and no more than 600mm from the perimeter trim and no more than 300mm from any main tee join. The cross tees shall be positively locked together through the main tee slots to form the required module and seismic clip part KLSEI175 – inserted to complete the seismic connection. All 1200mm cross tees shall be centre punched at 600mm

to facilitate light fittings and/or mechanical services and any alterations thereof.

In General:

Hangers, main tees and spacer tees shall be spaced so as not to exceed the designed ceiling load or as may otherwise be required to prevent deflection in excess of 1/360 of the span of the main tee or spacer. Extra hangers are to be provided for light fittings, mechanical services etc, that are supported by the grid system where point load system designs are exceeded.

Three way bracing struts shall be used in accordance with specific seismic site design, or in general, to a maximum of 81m².

Down bracing shall be incorporated in external installations and areas adjacent to openings prone to uplift caused by external wind forces. Hold down clips shall be used in braced areas or as required.

Grid Module

The grid module shall be (600 x 600) (1200 x 600) (1200 x 300) or other...

Perimeter Detail

Perimeter trim shall be ASTSA/B3600 Kwikloc standard seismic two part floating wall angle securely fixed to two adjacent sides of each open ceiling area. Wall trim ASTS3600 Kwikloc standard seismic fixed side wall angle shall be securely fixed to the opposing adjacent sides of above mentioned open ceiling areas in each instance. Main tees and spacers shall be fixed on to the floating wall angle with the Kwikloc seismic wall angle bracket KLSEI150 at every point with 2 x 5/32 aluminium rivets. Main tees and spacers shall be fixed to the alternate room side, to the ASTS3600 Kwikloc standard seismic fixed side wall angle via the A90 bracket with 2 x 5/32 aluminium rivets to grid and 2 x 8 gauge screws to wall surface / structure.

Bulkhead / Grid to Plaster Detail

Kwikloc Bulkhead section KLBHS4000 to be used in conjunction with KLSEI150 single part Kwikloc brackets as required for bulkhead junctions to avoid exposed fixings.

KLPLSEI3600 plaster to grid seismic junction tee to be used at solid plaster ceilings to grid ceiling junctions. The KLSEI150 single part Kwikloc bracket, again to be used to facilitate this connection.