

Main system parts

- **fixed anchors** - for attachment of system anchors to a wall
 - **plastic insulators** - in case of specified thermal break
 - **system anchors** - adjustable load-bearing elements
 - **load-bearing aluminium profiles** - vertical (rarely horizontal)
 - **secondary load-bearing aluminium profiles** - always horizontal and locks into rock panel groove
 - **facade cladding** *
- please use specified fastening & installation products according to technical description for final facade installation*



Technical description of system

Aluminium substructure system for stone slabs, fixed with hidden profiles, only partially visible from outside through horizontal gaps. These profiles can be powder coated according to RAL color chart. This dry installation system features full workshop preparation, simple installation and goes as standard for heavy facade cladding materials. Supported slab thickness is 10-40mm, depending on the material structure.

The assembly and installation of facade starts with measuring and positioning of main load-bearing profiles.

a) Extruded load-bearing profiles are installed vertically and spaced according to previously formed facade raster. The maximal recommended length of load-bearing profiles is up to 3,5m (relative to storey height), with maximal horizontal distance of 90cm between them, depending on the structural calculations for a specific project application.

b) The primary, load-bearing profiles („T“ „L“ ili „Ω“ profiles) are attached by anchoring system that allows fine adjustments in all directions to achieve ideally flat facade. The maximal recommended distance between system anchors is 1,2m (defined with structural calculations). System anchors and vertical profiles are connected with pop-rivets that feature integrated both flexible and fixed point attachment. In case of specified thermal break, plastic insulators are installed between system anchors and a wall.

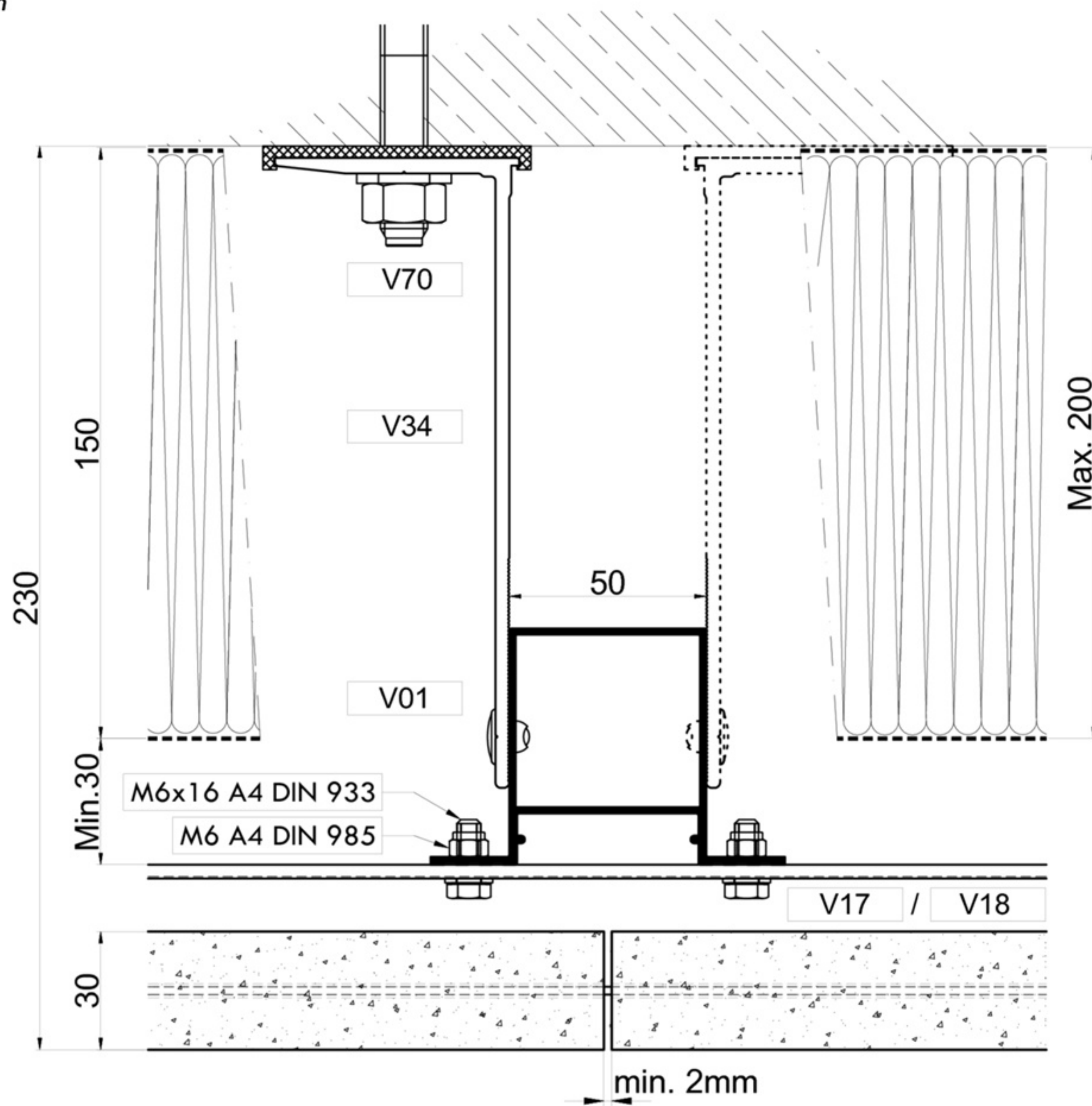
c) After the installation of vertical profiles, secondary load-bearing profiles are installed in location of horizontal gaps, and attached to vertical profiles with recommended stainless steel screws.

d) Following the installation of horizontal profiles, facade cladding with proper grooves is installed, locking with horizontal profiles. It is recommended to install special plastic inserts on horizontal profiles to avoid micro vibrations and clatter between the stone tiles and facade profiles.

e) The chosen natural stone tiles for facade cladding are cut to measure and grooved on two opposite sides, so that it can safely lock with two horizontal profiles. This system features visible gap of 7,5mm.

Technical details

Horizontalni presek
Horizontal section



Vertikalni presek
Vertical section

