Building with conscience.

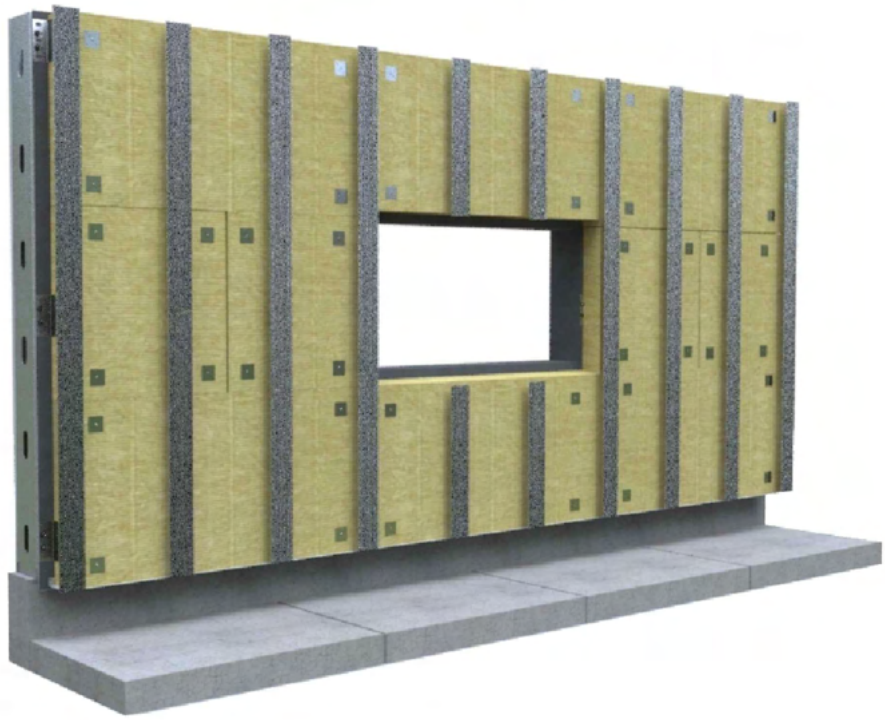
StoVentro™ Sub-Construction System

StoVentro Vertical Sub-Construction Installation
Design Considerations
Section View

Date: May 2021

Detail No.: 90.Sc.001

For full system offering see StoVentro Product Bulletin, System Bulletin, and Installation Videos



Design Considerations

For Thermal and Structural Performance, contact Sto Corp.

Bracket Types: Aluminum, Passive House (Thermally enhanced performance), Stainless-Steel
Bracket Sizes: Large Bracket (FP) for Dead Load and Wind Loads | Small Bracket (GP) for Wind Loads
Ventilation Cavity: 20mm - 50mm ($\frac{13}{16}$" - 2") | 30mm (1 $\frac{3}{16}$" Adjustability Range)

Profile Types: T-Profile, L-Profile, Gullwing T-Profile
Horizontal T-Profile Spacing: 32" o.c. max
Vertical gap between adjacent T/L profiles: 10 - 15mm ($\frac{3}{8}$" - $\frac{5}{8}$")

Fasteners: Sub-construction fasteners 5.5 x 22mm; Steel Stud substrate $\frac{1}{4}$ - 14 Bi-Metal SS;
Concrete/Timber substrates contact Sto Corp.
Minimum fastening distance from top, bottom, or side edges of T/L profiles: ≥ 10mm ($\frac{3}{8}$")
Quantity of fixed point (FP) connections to T/L profile: 1 maximum
Quantity of sliding point (GP) connections to T/L profile: At least one sliding point is required. Actual quantity is defined by project-specific engineering calculations. Fastened through oblong holes in brackets to allow for thermal movement.