

StoVentro™ Sub-Construction System

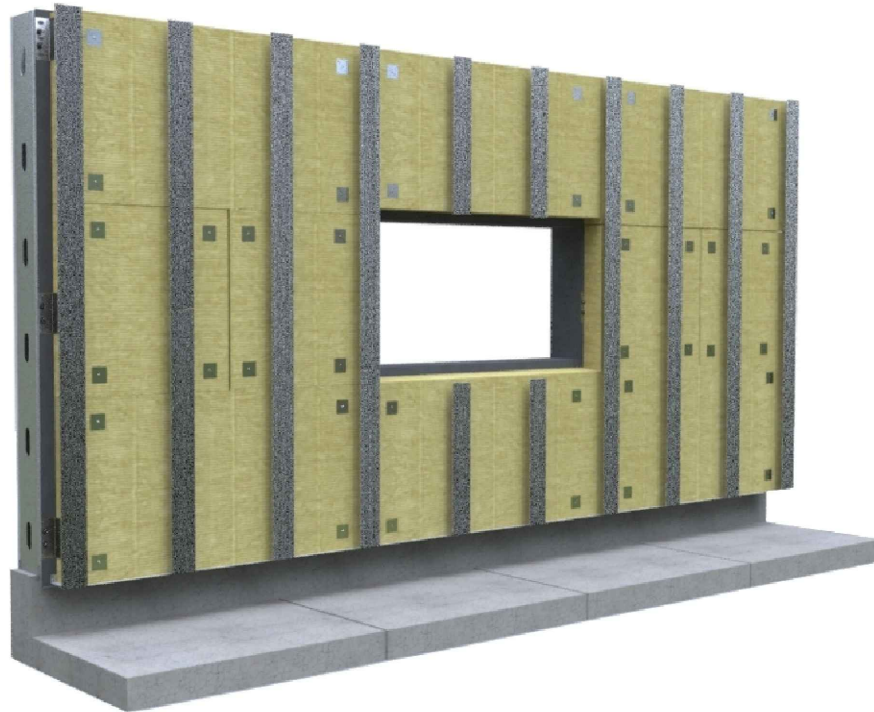
StoVentro Vertical Sub-Construction Installation

Design Considerations

Section View

Date: January 2024

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, Zn-Al-Mg Galvanized Steel, 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:** ≥ 10 mm ($\frac{3}{8}$ ")**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 prescriptive/pre-engineered designs or project-specific engineering calculations. Fasten through oblong holes in brackets to allow for thermal movement.