

Insulation quilt (max $\lambda = 0.040 \text{ W/mK}$)

Spacer System

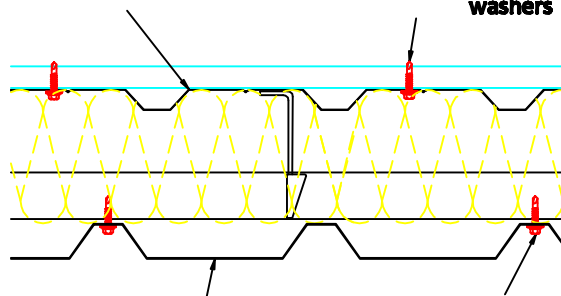
Rail by others

VERTICAL SECTION

Trisobuild™ Vertical Wall	
SYSTEM DESCRIPTION	Trapezoidal liner sheet with Spacer System, mineral fibre insulation, and trapezoidal external sheet with Colorcoat finish
FIRE PERFORMANCE	LPCB grade EXT-B & A approval, Non Combustible Insulation to BS476 Part 6. Firewall Constructions available to BS 476 Part 22, providing up to 4 hours Integrity & 30 mins Insulation (see Built Up System Literature for more details)
ACOUSTIC PERFORMANCE	Provides a Typical Sound Reduction of 36dB when using standard glass fibre Insulation (10.5kg/m ³), higher values are achievable depending on build-up specification
SYSTEM OPTIONS	Extensive outer and liner profile range (see sketch) - Outer Profile finishes: Colorcoat HPS200 Ultra, Colorcoat Prisma. Colorcoat LG Internal Profile coating: Colorcoat PE 15 (BWLE)
SPAN CAPABILITY	Up to 3 Metres Depending on Load Conditions, Profile type & material specification
DIMENSIONS	System Width: All liners are 1000 cover, External sheet cover width vary between 800 and 1067mm (depending on profile) Maximum external Sheet length: 22m (depending on profile & transport arrangements)
FASTENING SYSTEMS	Stainless Steel Self Drilling Screws with Sealing Washers. Coated Carbon Steel Screws Can Be Used Where a Lower life Expectancy is acceptable

Internal lining profile, LP1000 (as shown) & RL32

Fix every liner sheet at every support with 3 No self drilling self tapping fasteners with sealer washers



HORIZONTAL SECTION

External wall profile, C19, C32/1000 (as shown), C32S/1000, C46 & C60

Fix through every trough at sheet ends and at every alternate trough at intermediate supports (every trough at every position for C46, WP40 & C60)

Trisobuild™ 'U' Values

The depth below refers to both the minimum bracket & insulation height to achieve the stated 'U' value when using a LP1000 liner

Depth 280 = 0.15 W/m²K. (assuming an enhanced spacer)
 Depth 240 = 0.18 W/m²K. (assuming an enhanced spacer)
 Depth 210 = 0.20 W/m²K.
 Depth 180 = 0.25 W/m²K.
 Depth 140 = 0.30 W/m²K.
 Depth 120 = 0.35 W/m²K.



Tata Steel retains the right to amend the construction and technical specifications shown on this drawing without prior notice

TATA STEEL

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PROJECT **TYPICAL TRISOBUILD™ VERTICAL WALL DETAILS**

TITLE **TYPICAL VERTICAL WALL ARRANGEMENT**

DRAWN BY **GMc**

SCALE **NTS**

APPROVED BY **DA**

TOLERANCES

DATE **18/11/09**

DRG. No. **W1-002-02-C**