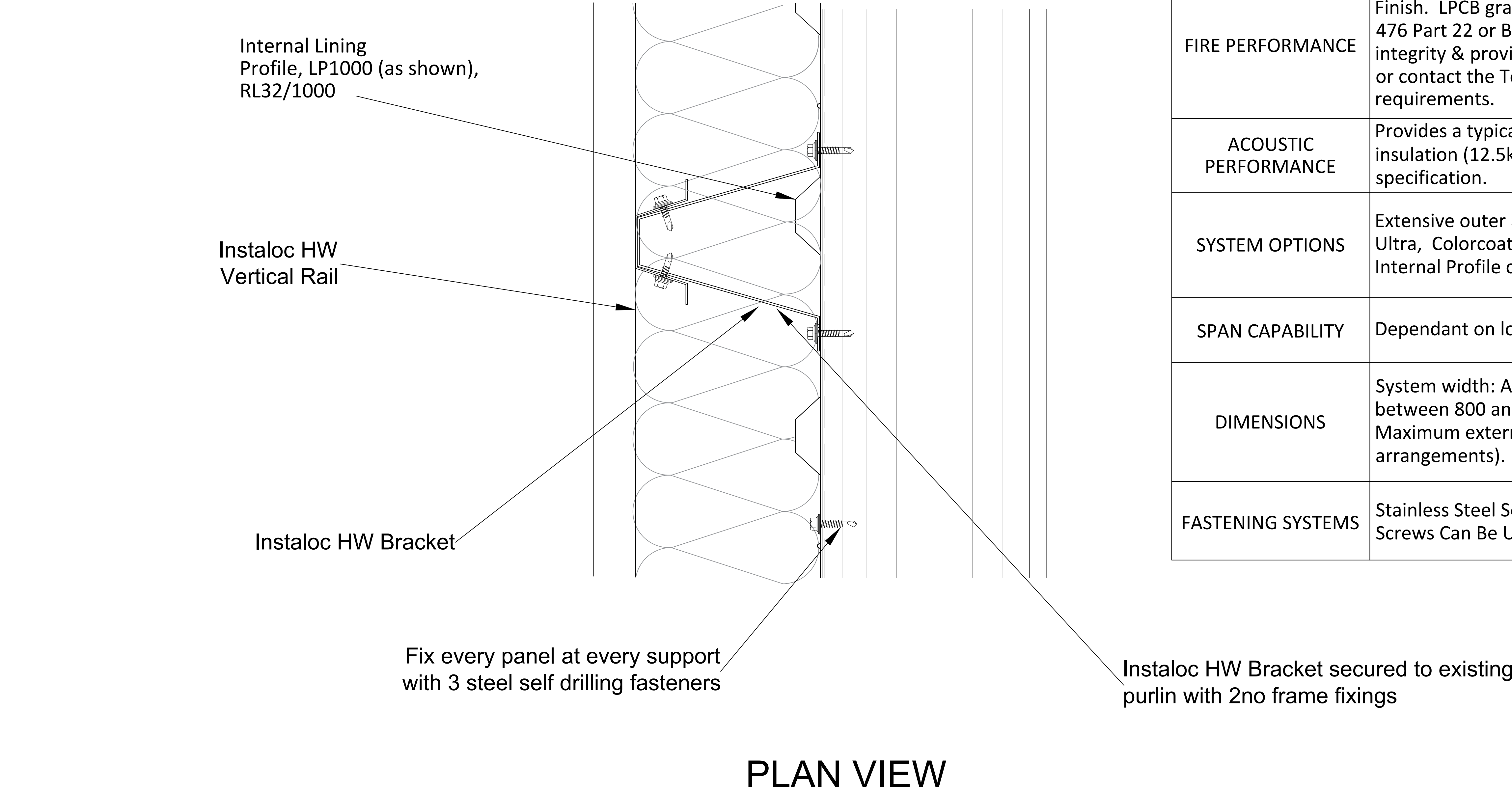
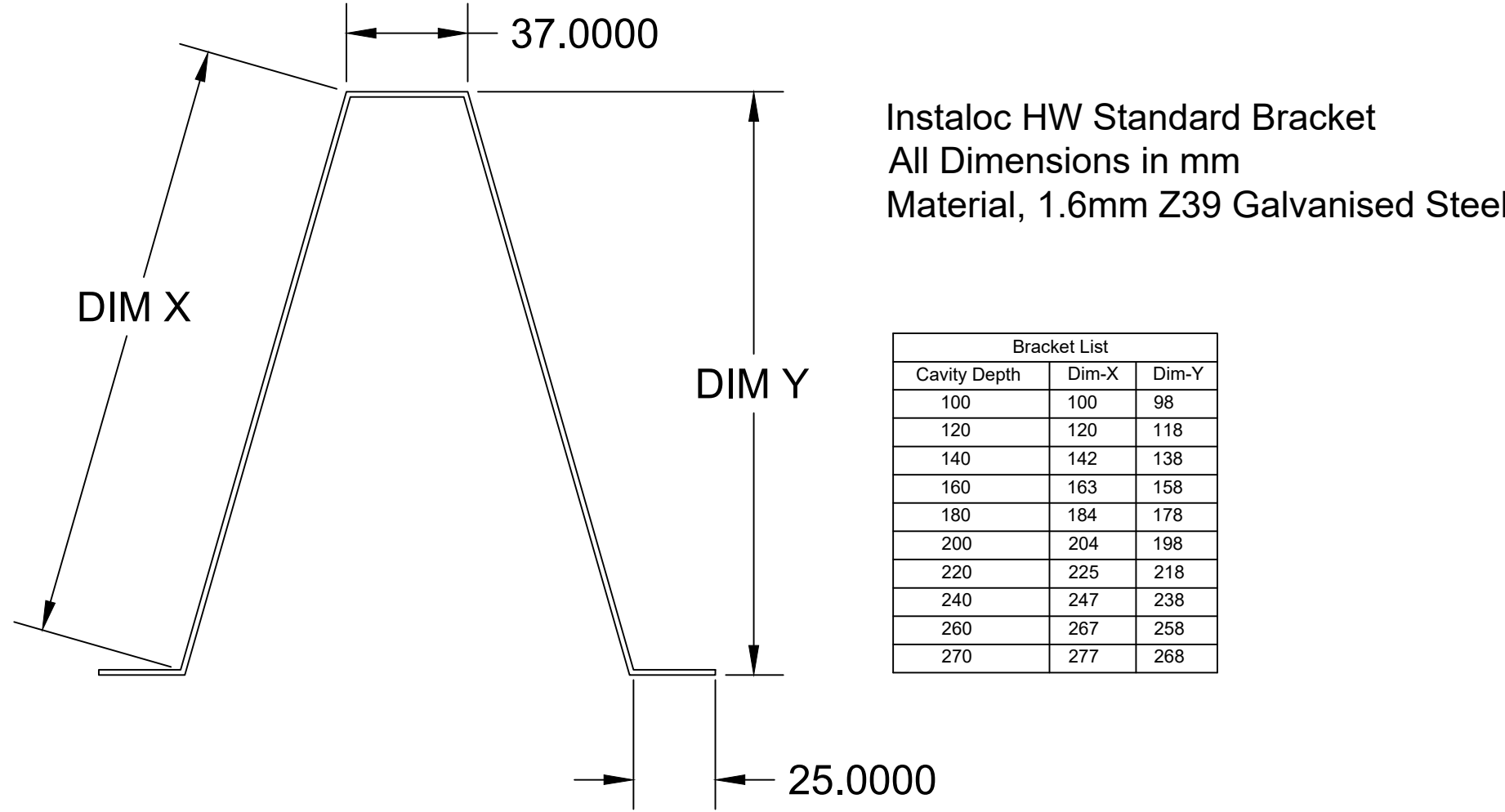
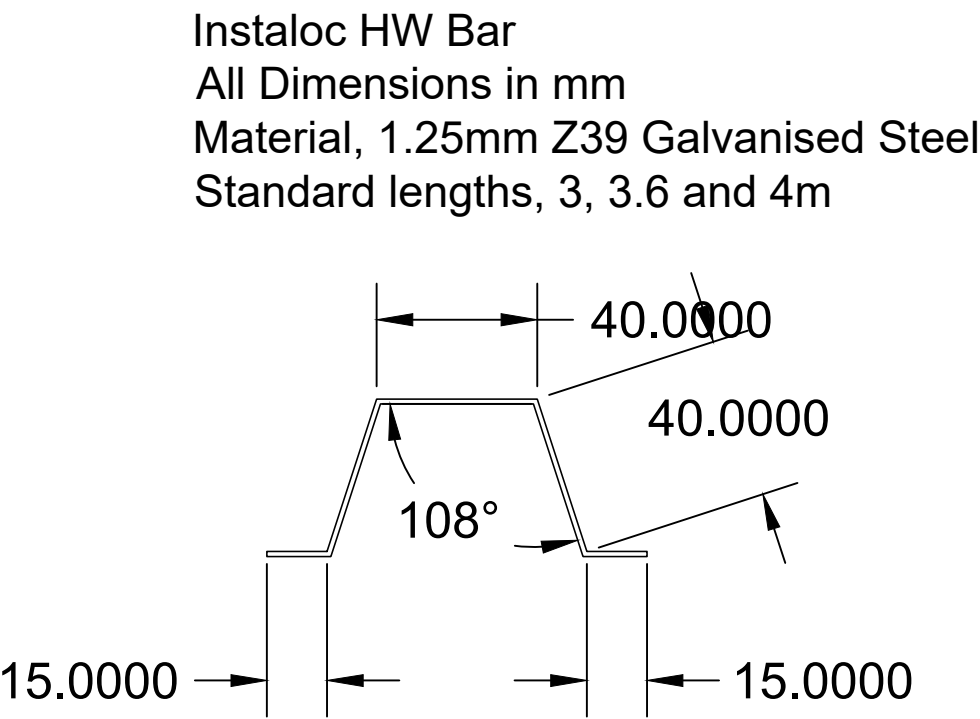
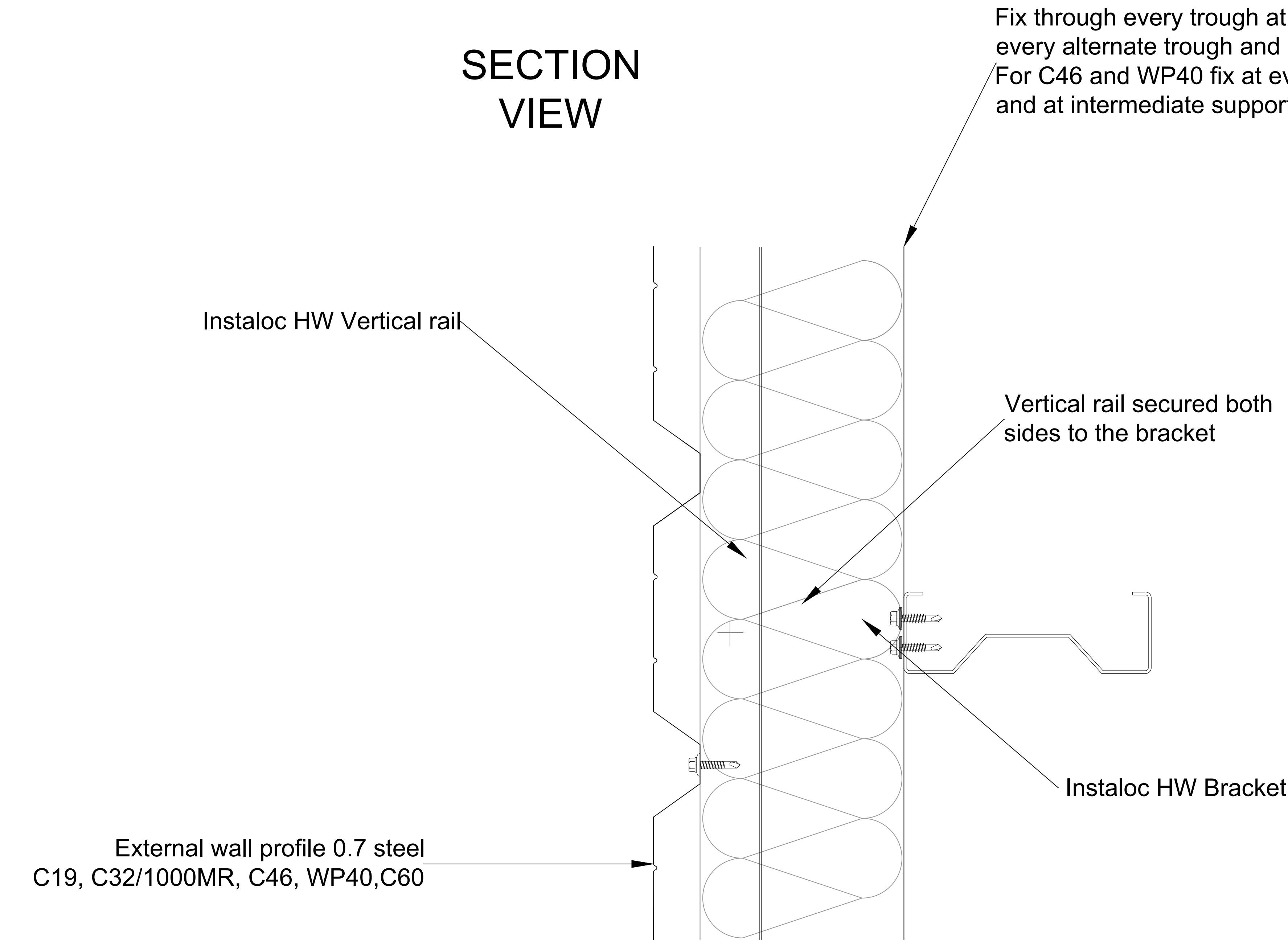


Tata Steel retain the right to ammend the construction and technical specifications shown on this drawing without prior notice.



All support steelwork by others

SYSTEM W1 - Built up Horizontal Wall with trapezoidal Profiles	
SYSTEM DESCRIPTION	Trapazoidal liner sheet with spacer system, mineral fibre insulation and trapazoidal external sheet with a Colorcoat finish.
FIRE PERFORMANCE	All components are classified as non-combustible when using a Colorcoat Prisma Finish. LPCB grade EXT-B & Ext-A approval, firewall constructions available to BS 476 Part 22 or BS EN 1364-1, providing up to 4 hours fire integrity & providing 15 mins fire insulation, see fire wall drawings for more detail, or contact the Technical Department to talk through your specification requirements.
ACOUSTIC PERFORMANCE	Provides a typical sound reduction of 36dB Rw when using standard glass fibre insulation (12.5kg/m³). Higher values are achievable depending on build-up specification.
SYSTEM OPTIONS	Extensive outer and liner profile range - Outer Profile finishes; Colorcoat HPS200 Ultra, Colorcoat Prisma, Colorcoat Leathergrain. Internal Profile coating; Colorcoat PE 15 (BWLE).
SPAN CAPABILITY	Dependant on load conditions, profile type & material specification.
DIMENSIONS	System width: All liners are 1000mm cover, External sheet cover width varies between 800 and 1067mm (depending on profile) Maximum external Sheet length: 16m (depending on profile & transport arrangements). Recommended 12m maximum for transport.
FASTENING SYSTEMS	Stainless Steel Self Drilling Screws with Sealing Washers. Coated Carbon Steel Screws Can Be Used Where a Lower life Expectancy is acceptable.

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 120 = 0.35 W/m²K.	Depth 220 = 0.19 W/m²K.
Depth 140 = 0.30 W/m²K.	Depth 230 = 0.18 W/m²K.
Depth 160 = 0.26 W/m²K.	Depth 240 = 0.18 W/m²K.
Depth 180 = 0.23 W/m²K.	Depth 250 = 0.17 W/m²K.
Depth 200 = 0.21 W/m²K.	Depth 260 = 0.16 W/m²K.
Depth 210 = 0.20 W/m²K.	Depth 270 = 0.16 W/m²K.



Building Systems UK
A Tata Steel enterprise

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www.buildingsystemsuk.co.uk

PROJECT

Typical Trisobuild
HW Details

TITLE
Typical Horizontal Wall
Arrangement

DRAWN BY LK	SCALE NTS
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APPROVED BY PS	TOLERANCES
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DATE 08/06/23	DRG. No. W1-001-03
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