

Open mesh steel balustrades, walkways, stairs and an agora now provide a safe and spectacular descent into the arena as part of an ambitious restoration of the 1890 amphitheatre at Bradfield College in Berkshire.

The balustrade panels were made from DemiAlto grating with a bespoke aperture of 55x110mm. A structural panel was designed in order to create a post-free system, achieving a seamless appearance with clean lines and a minimalist aesthetic.

The grating was therefore made with a load bearing vertical flat bar to meet the British Standard for a potential crowd loading. The panels were fixed through plates, which were welded to the back of the panels, directly to the substructure or support steelwork.

The project included flooring to the agora, stair treads and a louvred housing for the control room.

Balustrade: 140m of DemiAlto-55x110
Agora Flooring: 100m² of PL-33x11/50x2
Stair Treads: PL-33x11/25x2
Control Room: DeltaWing-55

Architect: Studio Octopi
Main Contractor: Feltham Construction

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