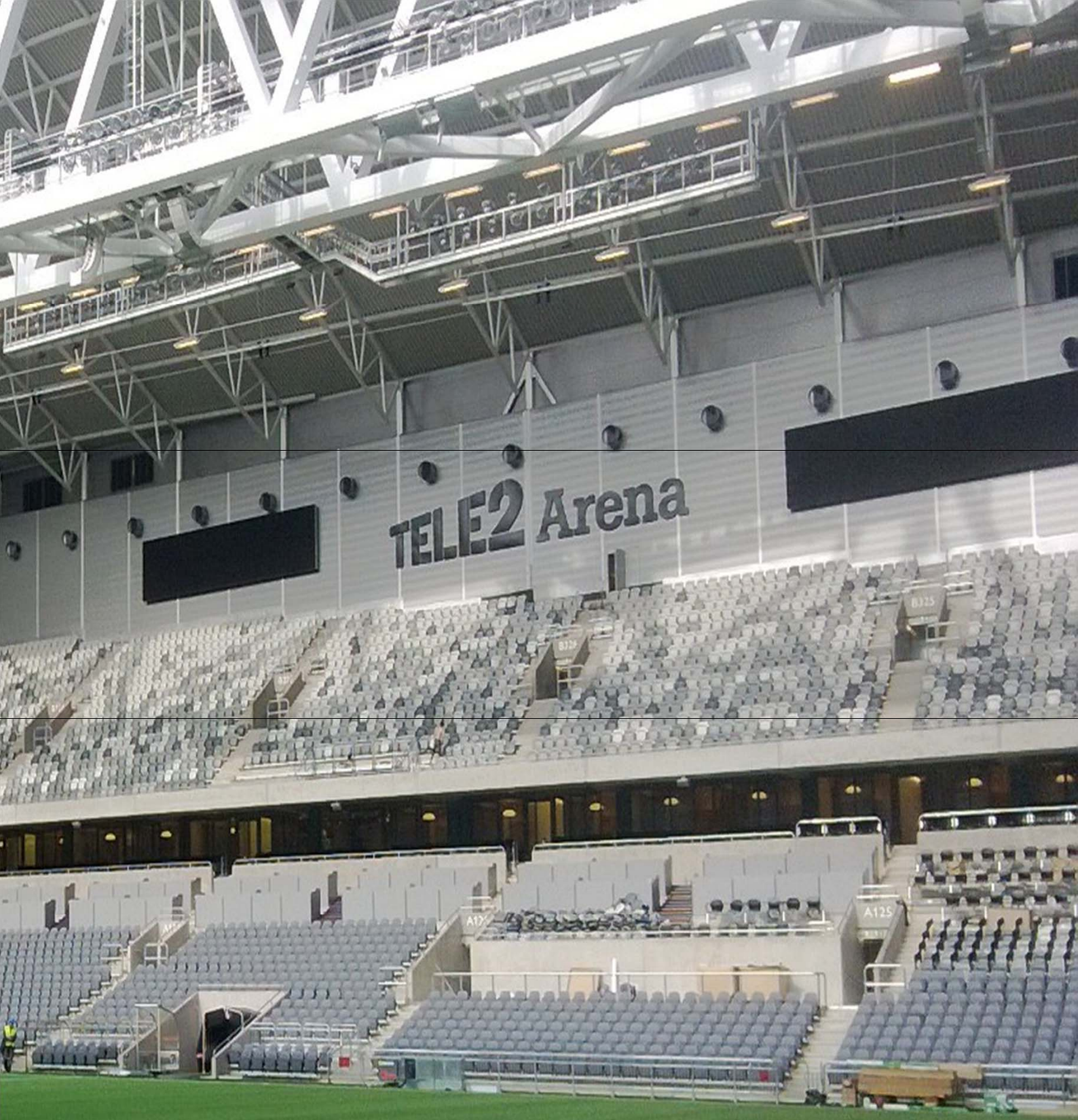
bluecube³

fast - latch

Stadiums and Arenas have always required solutions and equipment that facilitate the adaptation of a building to different modes of operation.
Telescopic grandstands are used to help ‘flex’ space - to bring seating closer to and further away from the field of play - to adapt sight lines to meet the requirements of different sports or events .
As the boundaries between Stadium versus Arena venue classifications become less polarised – making a building commercially viable requires ever greater flexibility we call these ‘hybrid’ venues multi purpose arenas - they demand a fast reconfiguration from sport to concert modes - changing;

- Layout
- Entry & evacuation solutions
- Crowd control



bluecube continues to work with architects and operators to provide equipment that supports the diversification of events within a venue.

What is fast – latch?

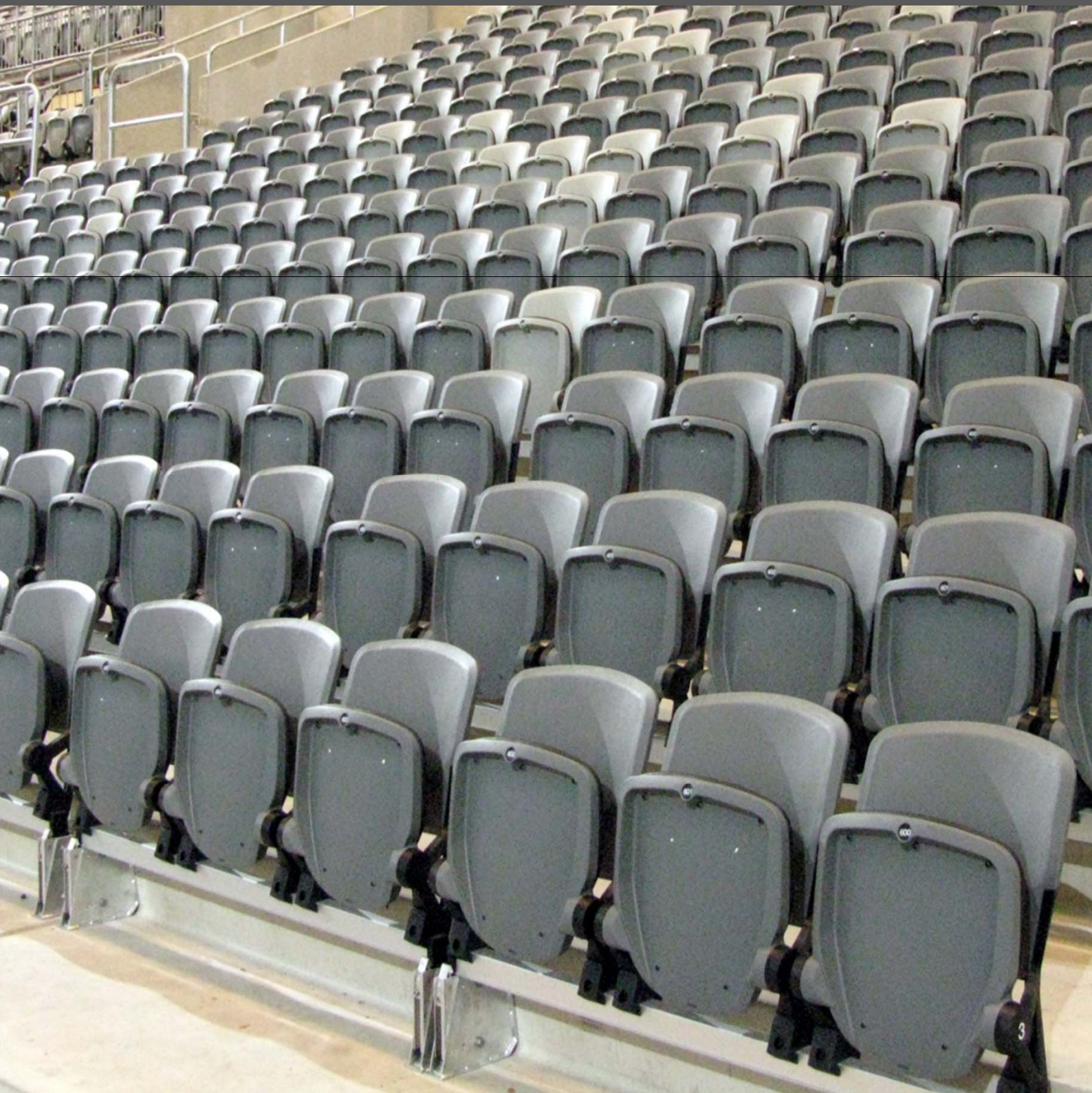
fast – latch is a system which is permanently affixed to the terrace which facilitates the ;

- easy and fast removal of seats allowing for wider access isles when in event mode.
- changeover of seats for temporary press desks and back to seats
- changeover of seats for crush – rails to create standing areas and back to seats.

Installation of **fast – latch** at the Tele2 Arena – Stockholm – Sweden.
Shown here in standing mode the ‘combination area’ can be very quickly and efficiently converted to seating mode shown on the adjacent page.

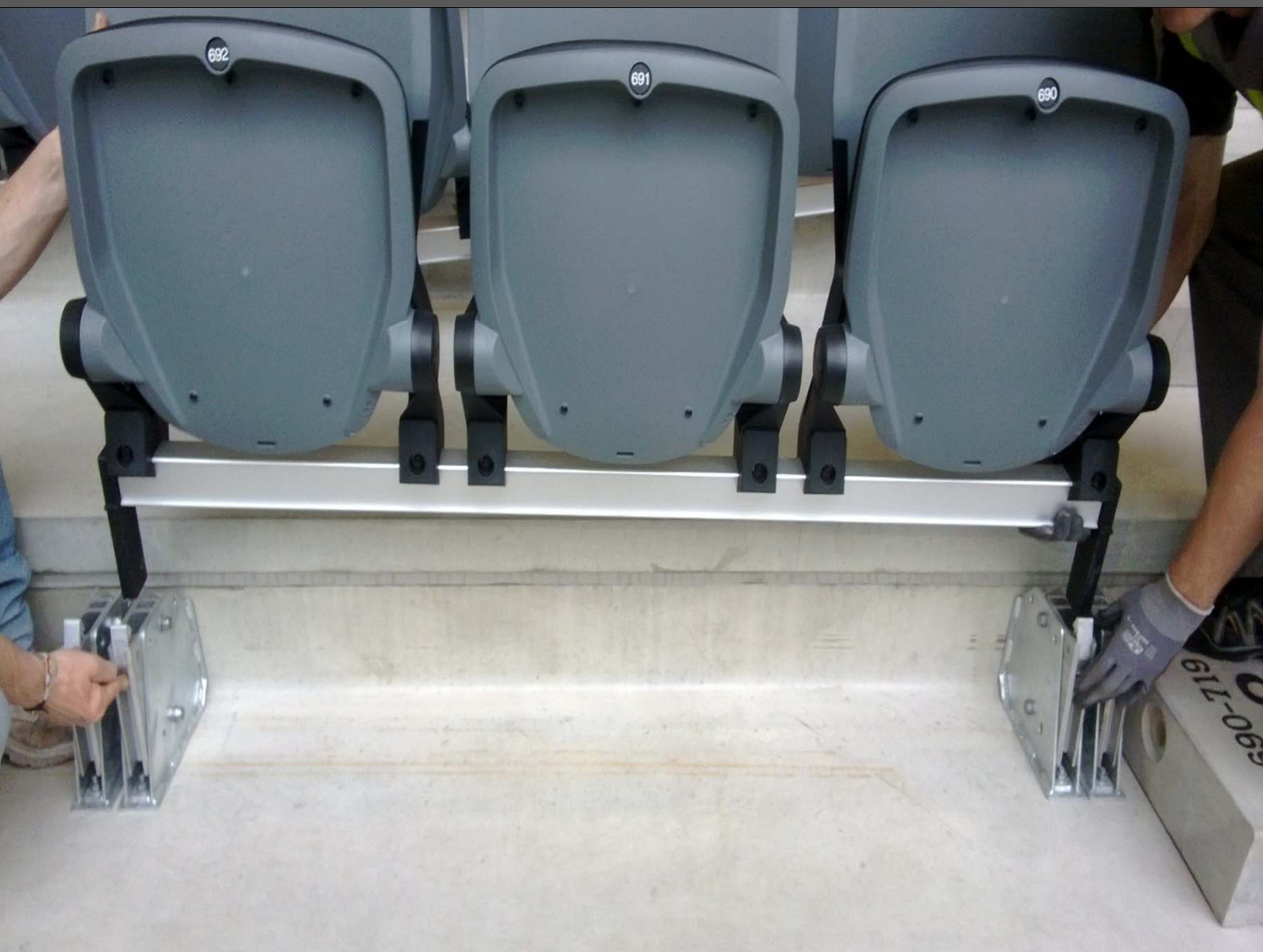
The crush-rails and or seating modules are stored and handled using lightweight aluminium stillages.

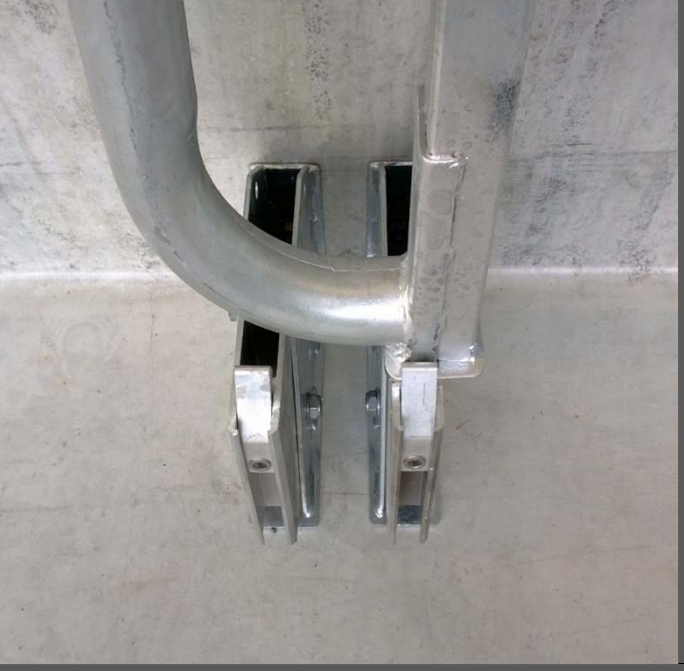
The crush – rails are compliant with ‘Green Guide’ requirements and are rated to 3.0kN per linear meter.



fast – latch mechanisms are arranged - predominantly in 3 seat modules – a small number of 2 seat modules are sometimes required to ensure that the maximum number of chairs will fit into the layout .

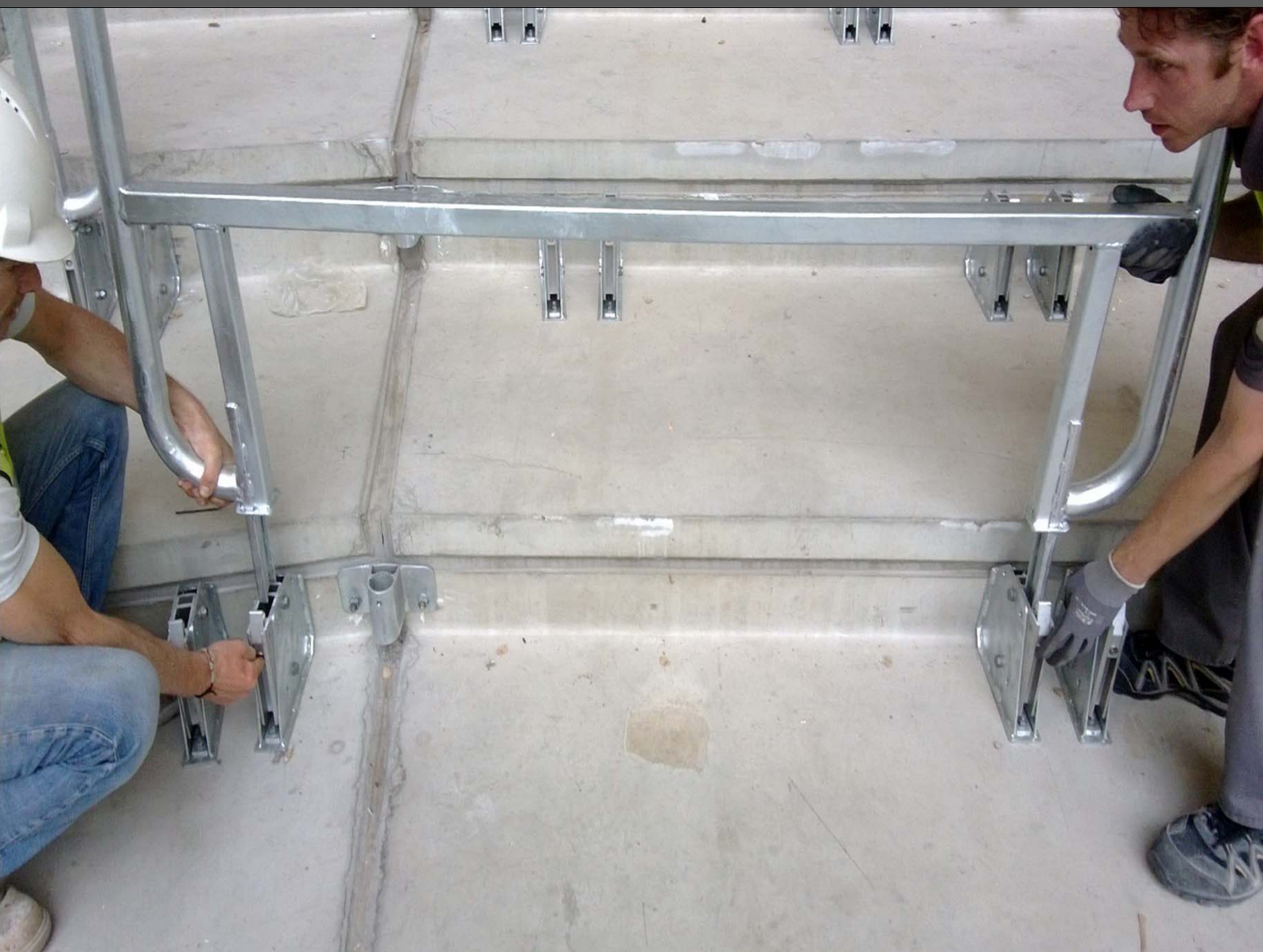
The spring loaded catch needs to be depressed before the seat unit can be released for removal – the latches activate automatically on re-fitting.

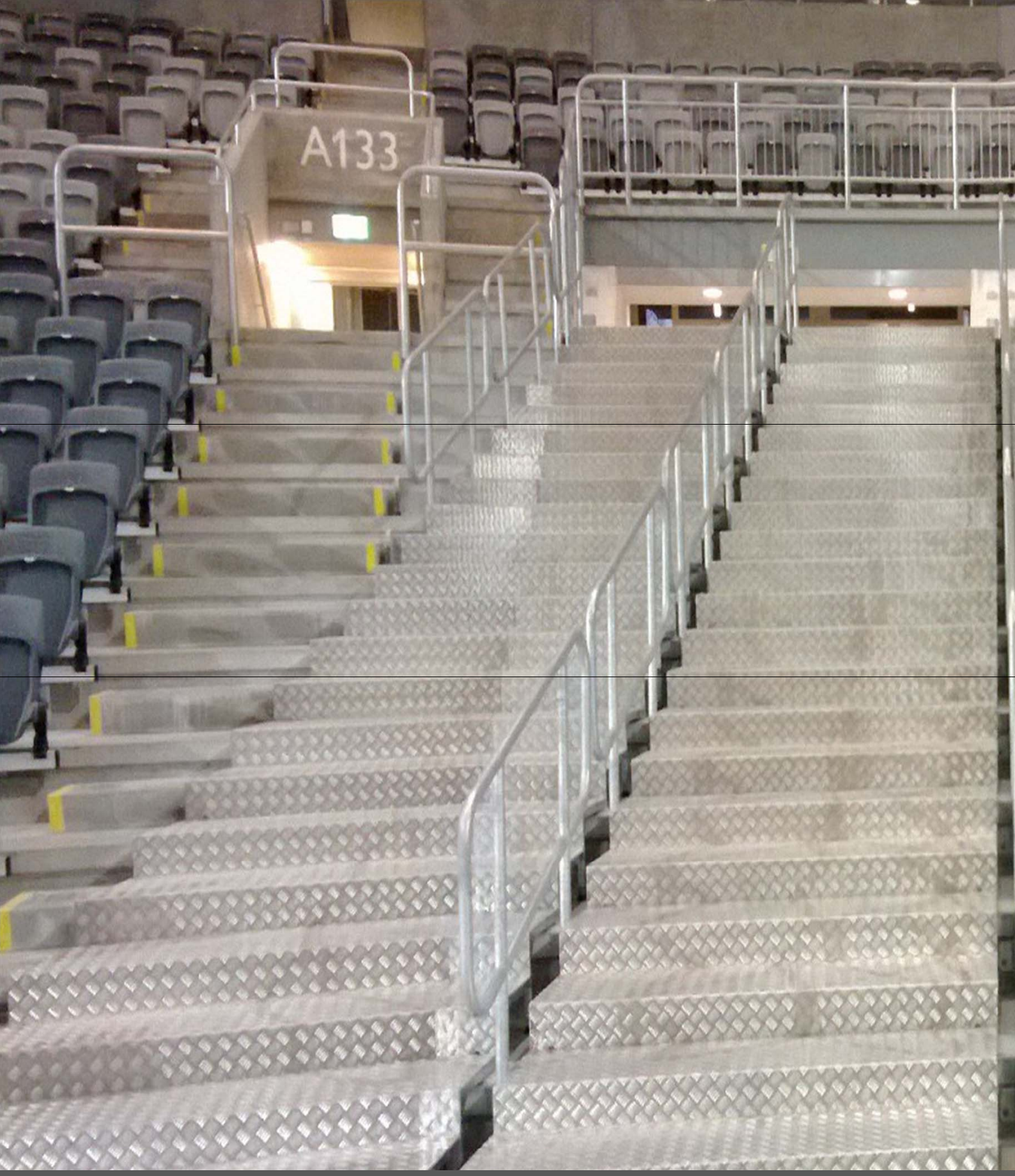




When in standing mode crush rails are intermittent so that the standing crowd has free movement on the terrace – the ‘overhanging’ design of the crush rail ensures that the adjacent mechanism is made safe and does not cause a trip hazard.

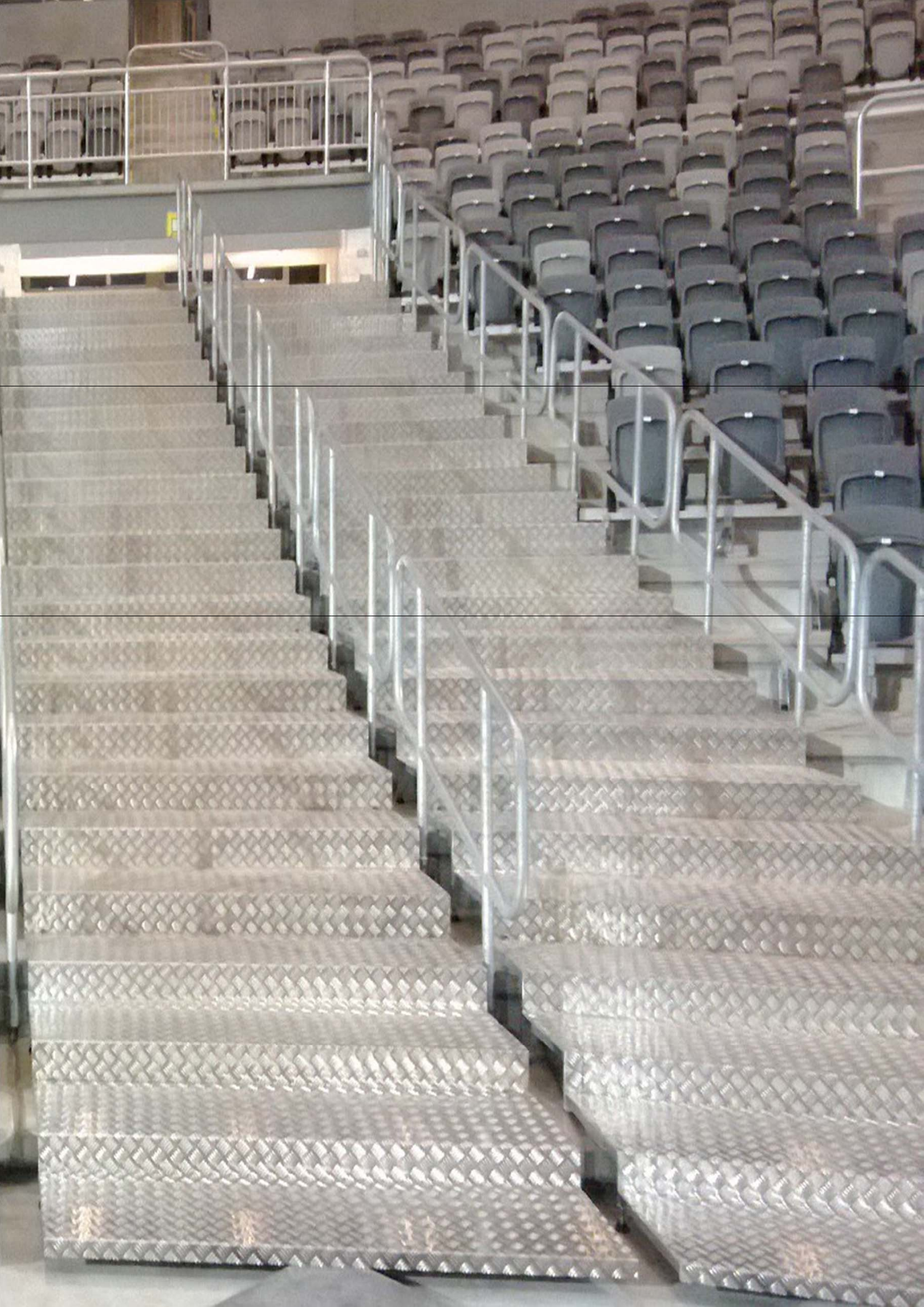
Shown here as the crush – rail is removed – to remove a seat unit or a crush – rail requires 2 people – to refit only requires one person.





Installation of **fast – latch** at the Tele2 Arena – Stockholm – Sweden.

When in ‘event mode’ - as illustrated here - the fast – latch mechanisms are completely covered specially constructed aluminium steps – the additional crowd control rails are also removable.



In concert mode the audience will use the playing area to view a performance stage positioned at one end of the arena – this means that larger access routes are required which are built into the lower terrace.

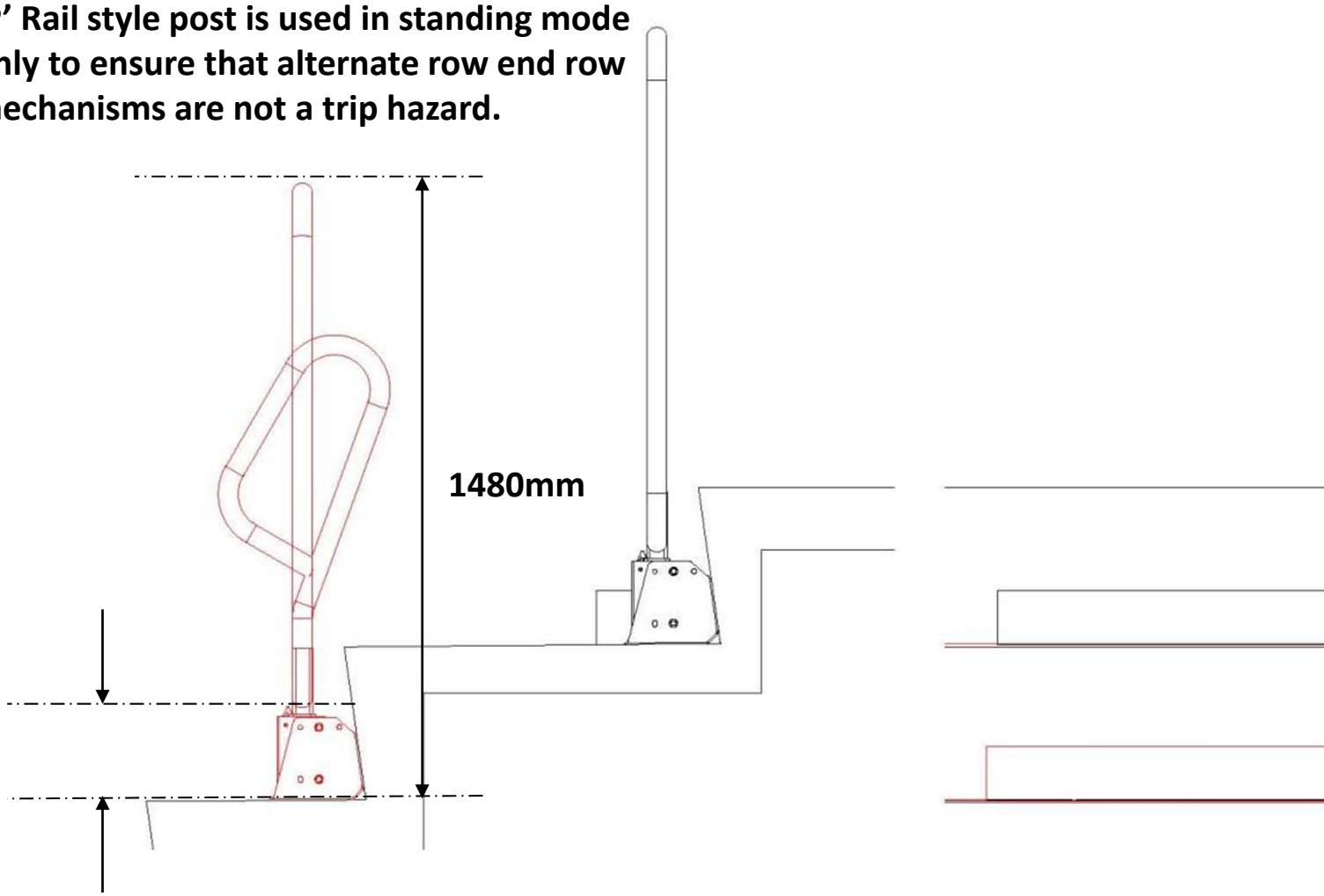
In sport mode these apertures are closed off using a de-mountable structure onto which chairs are mounted - in concert mode they are opened – aluminium step units cover the **fast – latch** mechanisms and lead directly to the playing area.

This image shows the demountable terrace closure for the lower terrace access apertures used when the arena is in concert mode - shown here in sport mode 3 seat units are floor (tread) mounted to the de-mountable terrace sections – when taken out the seat units can be handled and stored in our standard aluminium stillages.

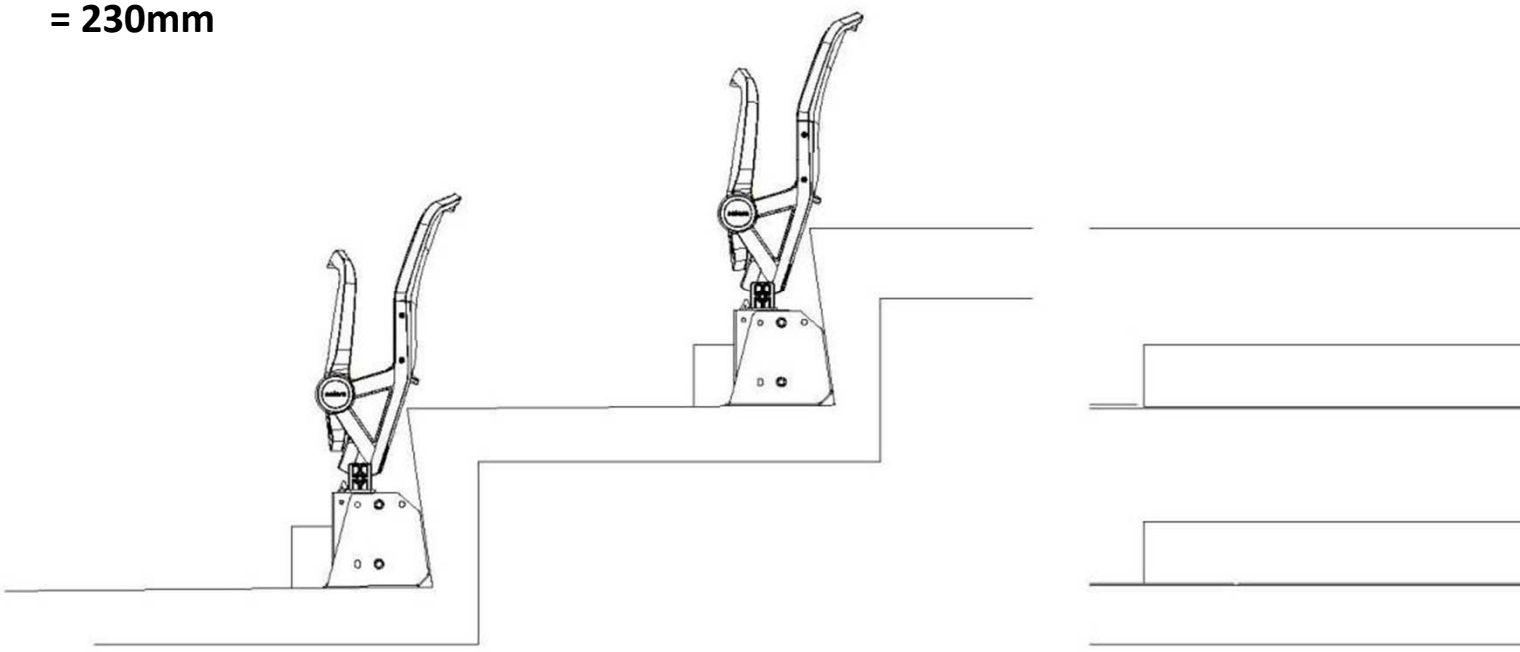
This image shows the completed concert mode set up with the pitch protection in place.

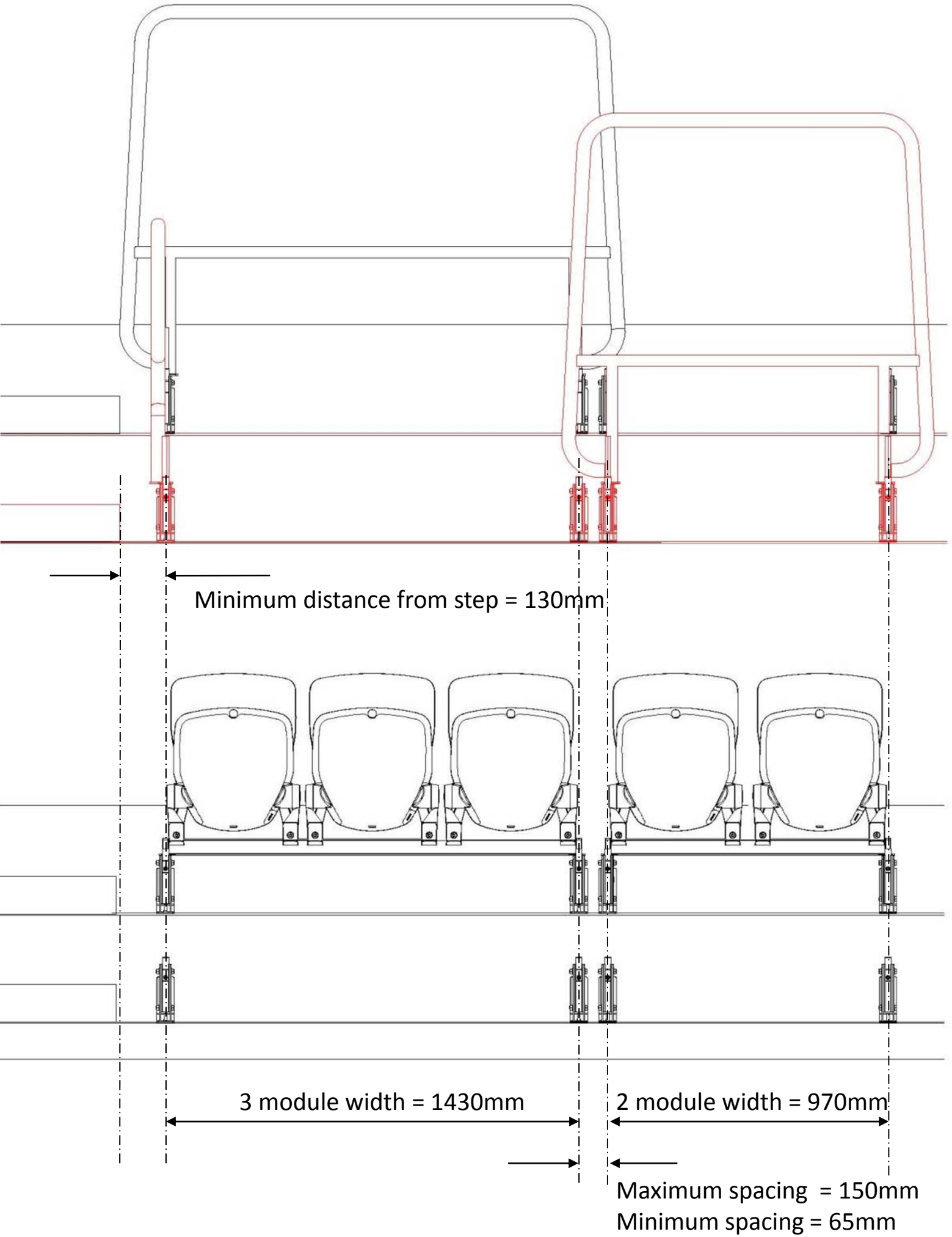
fast – latch mechanisms are available with a secondary fold-down function so that they can be used on telescopic units – at the Tele2 Arena the telescopic unit is also used in seating and standing mode – in either seating or crush-rail mode the telescopic can be closed without removing the rails or seats.

‘P’ Rail style post is used in standing mode only to ensure that alternate row end row mechanisms are not a trip hazard.



Total mechanism height = 230mm




Minimum distance from step = 130mm
3 module width = 1430mm
2 module width = 970mm
Maximum spacing = 150mm
Minimum spacing = 65mm