

roof structural framework ex - 200x75 steel channel sections welded together in lattice format and fixed to existing concrete facade at shutter hole positions with ramset (or equal) chemical anchors

16° monopitch roof profile comprising 50x meranti double rafter sets bolted together at ends and fixed to inner face of channel framework via 5mm steel gussets at 800mm centres

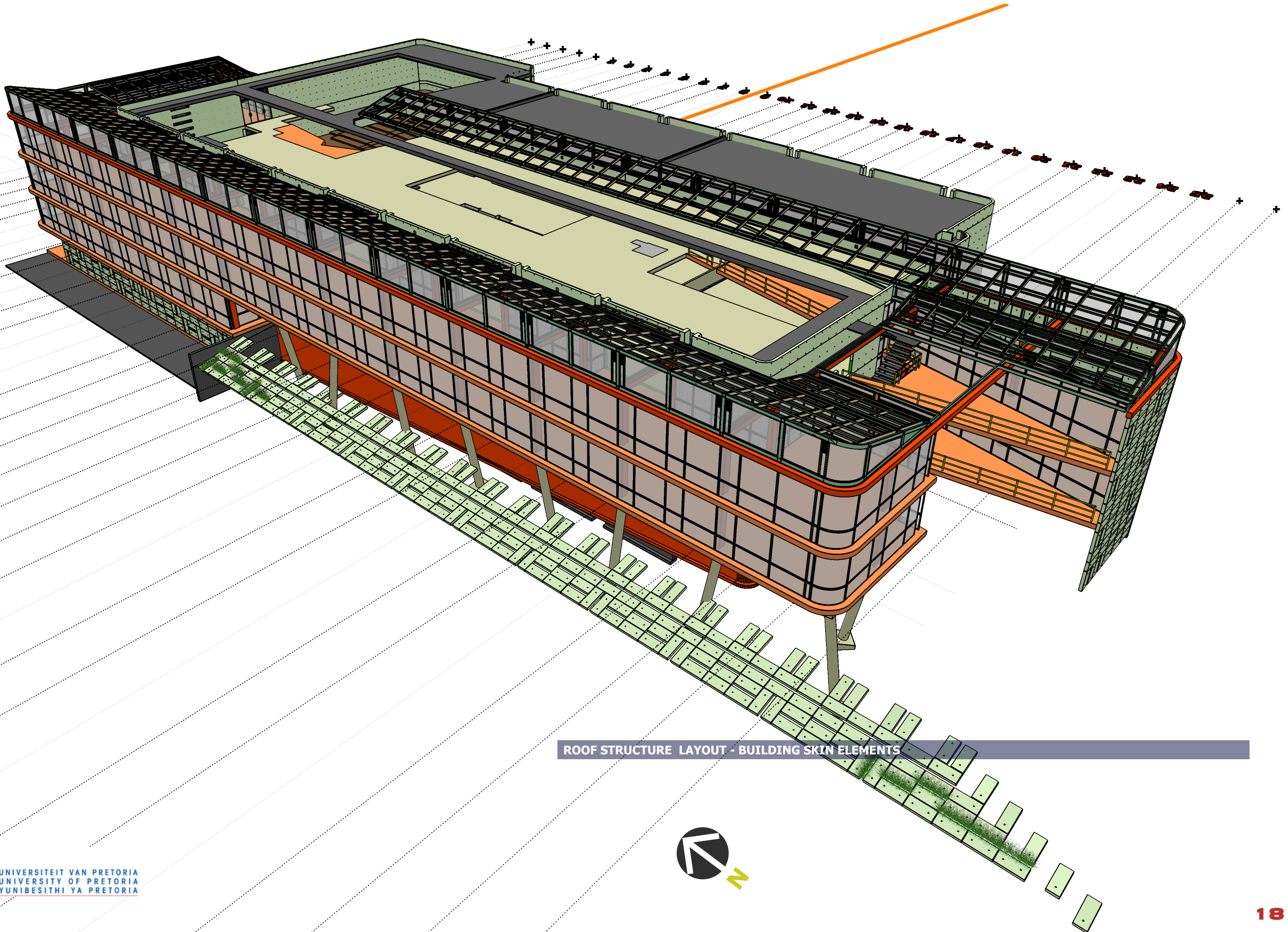
chromadek (C2S or equal) steel roof sheeting fixed to 50x75 sa pine purlins at 800mm centres with 'alububble' or equal roof insulation (laid as per manufacturers instruction)

40mm thick suspended acoustic ceiling tiles - 'prolith' or equal (laid as per manufacturers instruction)

ROOF STRUCTURE LAYOUT - BUILDING SKIN ELEMENTS







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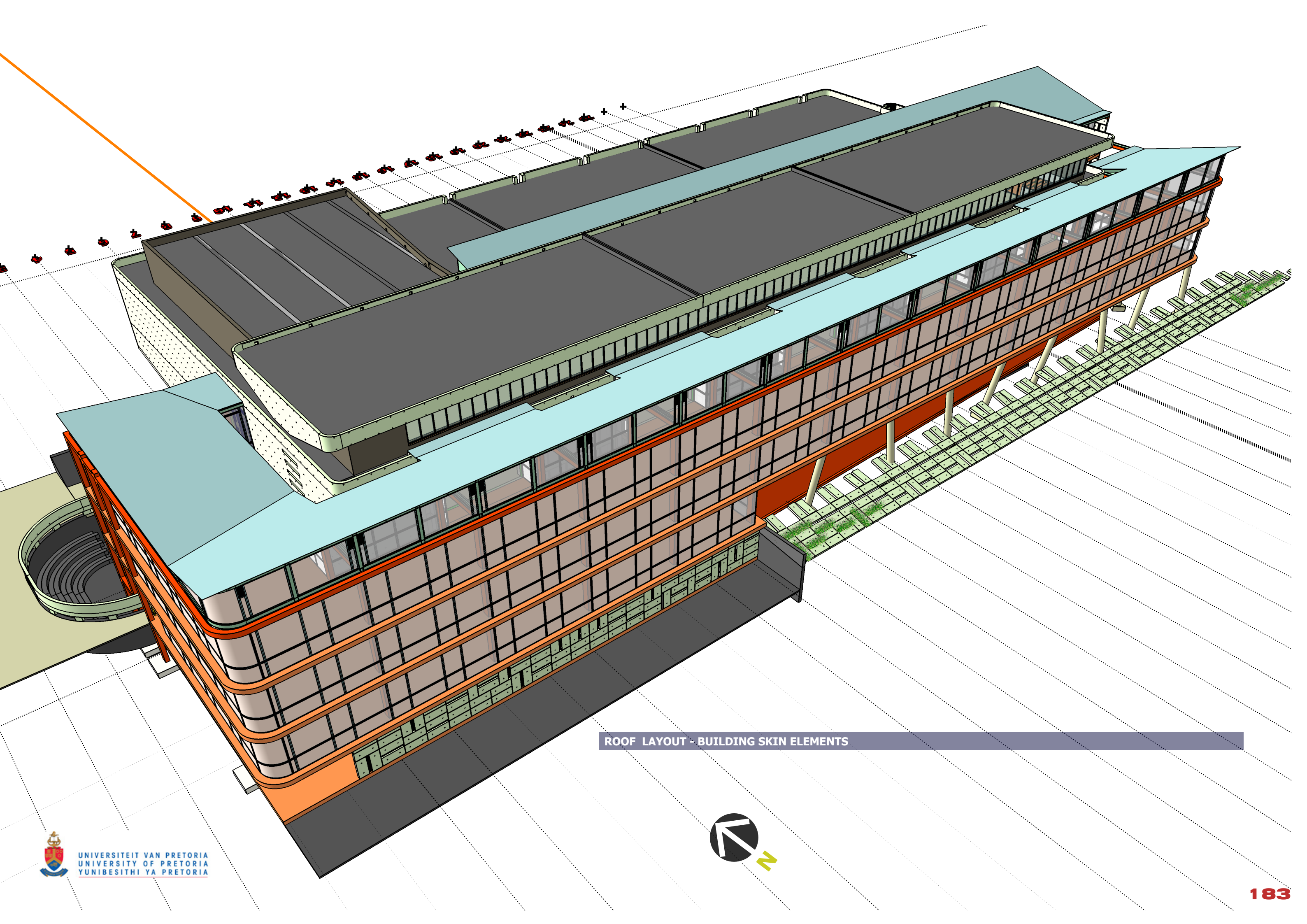




ROOF LAYOUT - BUILDING SKIN ELEMENTS



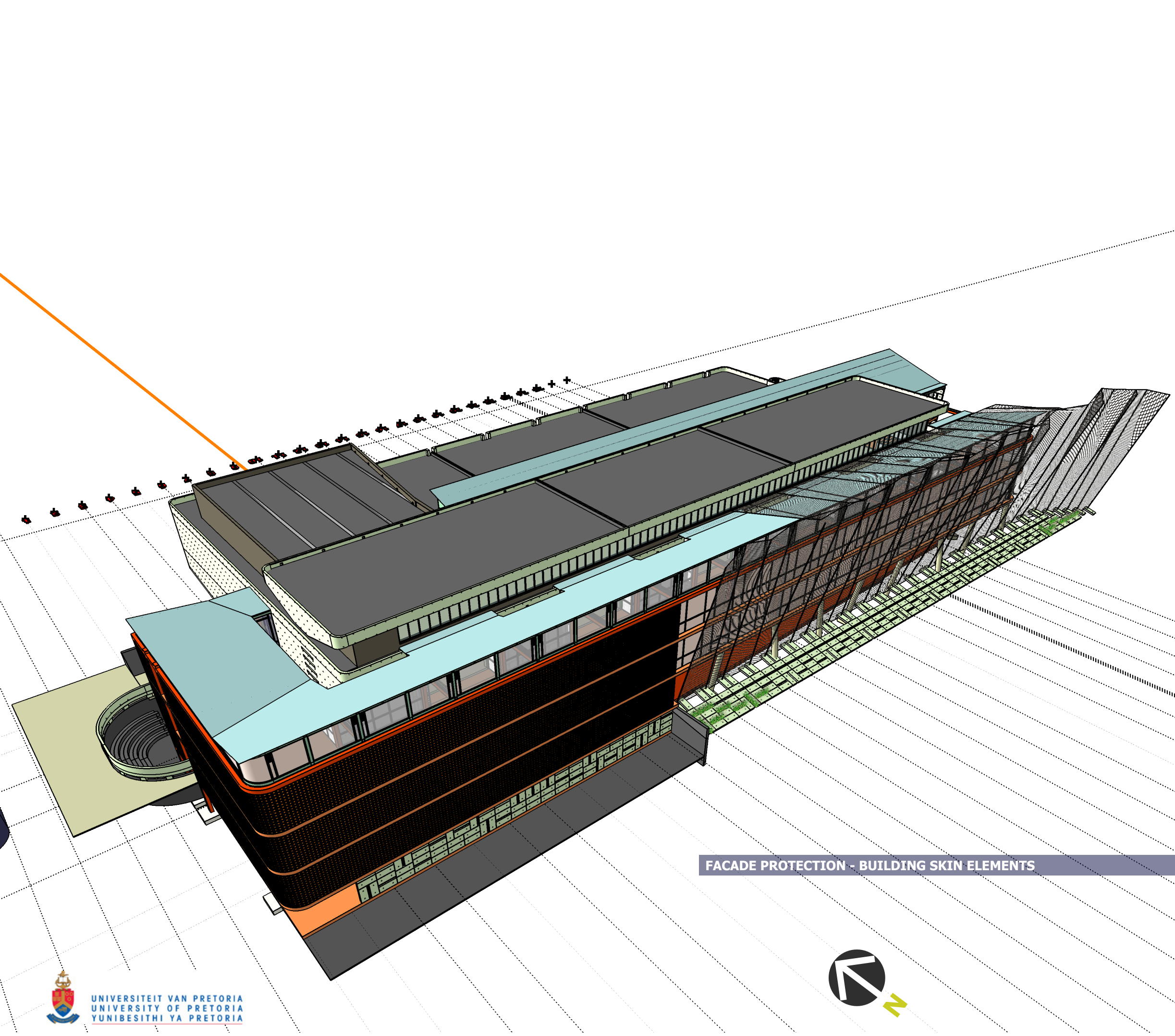




ROOF LAYOUT - BUILDING SKIN ELEMENTS







The Boukunde III proposal utilises the singular facade protection element from the first building.

The 'Briti' terracotta grille blocks are not available in exactly the same profile as they were in 1960, but they are raised from past nonetheless - to be used (as they were in 1960) to protect the western facade.

They wrap themselves around the curved corner of the building to extend along the southern flank - terminating at the facades point of base level interchange.

The facade is further protected from above, by a 'free-form' tubular framework with wire mesh covering. This 'translucent' screen extends up from ballast base plates formed by the 384kg 'recovered' concrete blocks that retain the geothermal embankment slope.

The wire mesh screen is translucent to perpendicular view (from Lynnwood road to Lynnwood road), but throws a shadow vertically from the face as the view through it's apertures becomes restricted.

FACADE PROTECTION - BUILDING SKIN ELEMENTS



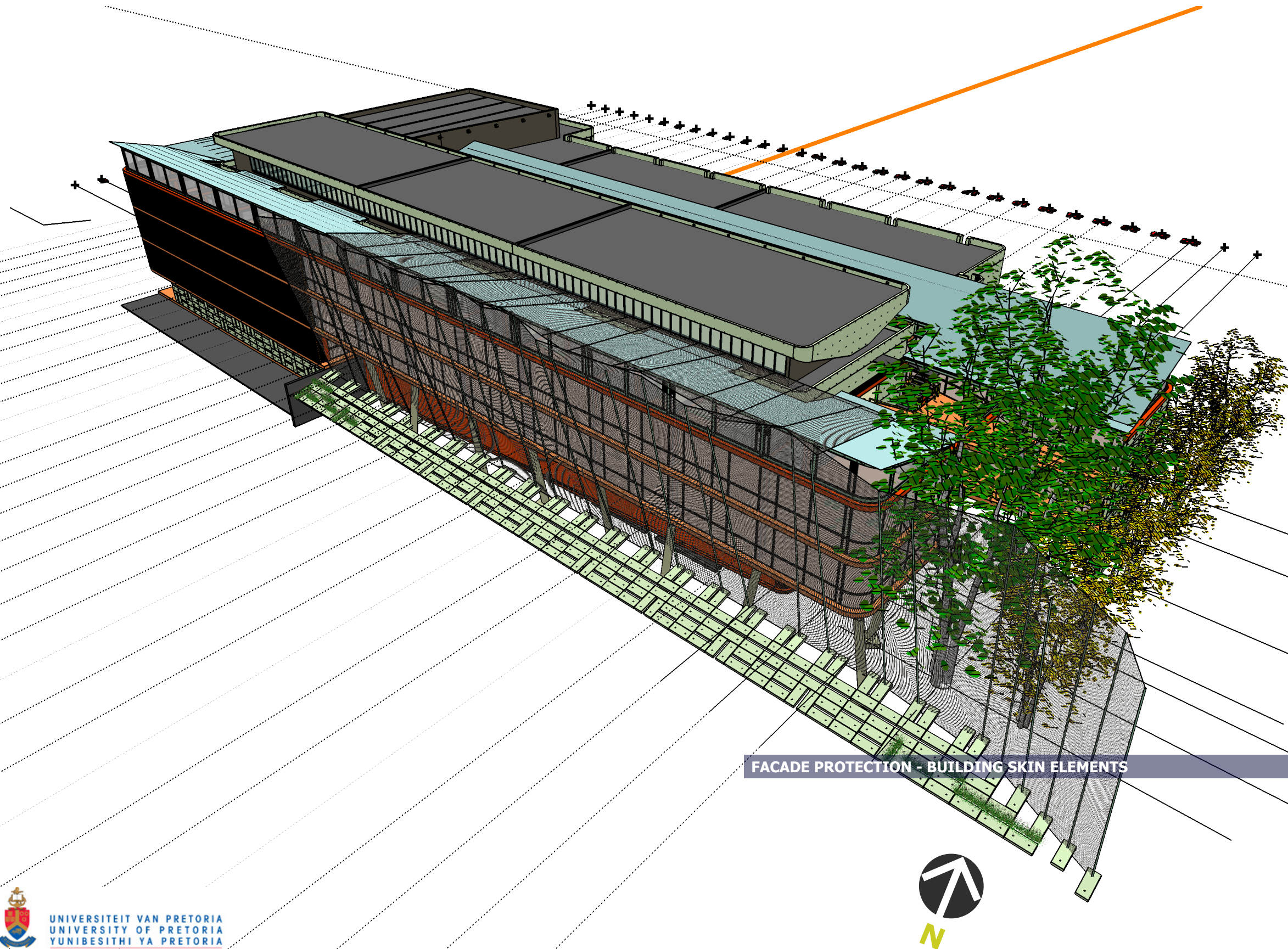


The eastern end of the new construction has been left exposed in terms of protective building elements.

Cover will be provided by significant tree growth in the immediate vicinity, with the southern flank purposefully nestling itself in amongst the grouping.

The 'wing' which opposes it, will gain from the area remaining as natural as possible - offering relief during end-year critiques taking place in the exhibition spaces that it houses.

This northern outcrop of the building extension will be protected on its 2 exposed sides (north & east) by concrete elevations comprising 'recovered' Boukunde II facade blocks.



FACADE PROTECTION - BUILDING SKIN ELEMENTS