




	New traditional lead edge gutter as NBS H71/209
	New Sika Decothane Ultra 25 gutter lining as J31. Allow for new overflow to all hoppers by coring hole and lead line with new lead spitter.
	New Sika Decothane Ultra 25 roof covering as J31 with integrated non-slip aggregate to walkways on new tapered insulation to improve falls as J31 and Sika/Kingspan falls drawing.
	New Sika Decothane Ultra 25 roof covering as J31 with integrated non-slip aggregate to walkways
	New standing seam zinc roof as NBS H74. refer to zinc details D, K, L, M and N on drawings 3304, 3305 3307, 3308 for details.
	New proprietary aluminium gutter as NBS J31, R10/311 and 370A. Allow for two outlets per gutter : one at each end of gutter run with pipe shoe fitted. The area where water discharges should be protected with a tile, slab or otherwise be reinforced to provide an extra wearing surface.

— — roof slope boundary

Lightening Conductor Design

Existing lightening conductor tape spans across the surface of roof slope 24 to be carefully removed and replaced with new to specialist design. Refer to roof finish manufacturers' specialist details. Allow for testing and relaying of existing lighting conductor to roof 23 as required.

Fall Arrest System Design

Fall Arrest support spans across the surface of roof slope 24 to specialist design. Refer to zinc roof finish manufacturers' specialist standing seam fixing clamp (S-5-E) details.

Proposed u-Values (as supplied by Ty Mawr, based on build-up as highlighted in detail drawing 3300--3308 and NBS)

Roof 24 (new zinc cover to flat roof, [existing aluminium secondary glazing to cheeks retained]) = 0.25 W/m²k

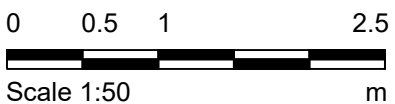
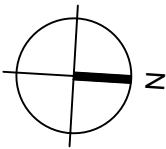
New aluminium gutter to full length of north and south elevation of Roof slopes 24 and east/west slopes of roof 23. Refer to NBS R10. Downpipes at each end to discharge rainwater via shoe beside each corner of the building rather than moving across the surface of the roof covering below.

New lead-lining to gutter between existing parapet and zinc roof to ensure an appropriate level of insulation and ventilation can be installed without compromising the lead flashing detail. Refer to detail I, J and K on drawing 3305 and 3306.

New aluminium gutter to full length of north and south elevation of Roof slopes 24. Refer to NBS R10. Downpipes at each end to discharge rainwater via shoe beside each corner of the building rather than moving across the surface of the roof covering below.

[illegible]

1 - Roofslope 23, 24 & 29 - Roof Plan as Proposed
Scale 1:50 @ A1

[illegible]