

PROJECT SHOWCASE

Date complete	2008
Project	CTM , MOMBASA
GPS / Location	Nyali, Mombasa
Roofing Contractor	Steel Structures Ltd
Roofing Material	COLOURPLUS AZ100 - 0.50mm
Profile	CRIMPED INDUSTRIAL TROUGH
Special features	The client needed to create an expression of a huge storage & showroom space. They needed to maximize on natural lighting without suffering excessive heat ingress & glare given the coastal project setting. They also didn't want to use normal & obvious skylights – hence the multiple roof-breaks on the vault/dome formation with SE-facing vertical lights at the step levels which would diffuse the light within.
Other notes	Being in a coastal setting, the client also wanted a colour that would offer maximum heat reflection to avoid excessive heat-build up and reduce A/C use – hence the brilliant white chosen. It would also last many years without showing the ageing effects (fading & chalking) of normal darker colours.



ADDITIONAL NOTES:

The Consultants understood that 'Green Architecture' must start with a judicious use of material & form that optimizes the way energy is harnessed, used and where, necessary, dissipated. Breaking the roof provided air inlets to naturally cool and vent the building. Positioning the skylights in the SE-facing vertical points on the roof-steps avoided the glare and heat of the Westerly sun. Notice the contrast in West-facing wall-openings between the CTM building and the latter development next door

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