

EFFECTIVE ROOF DESIGN FOR THE UNIVERSAL GYM

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ABSTRACT

The article presents the optimal design of a metal truss designed to cover the roof of a universal gym of size 12x24 m. Trusses made of sloping welded profiles have been shown to be more efficient than traditional double-angle trusses currently used in industrial building roofing. As an example, 24 m arched farms were designed and working drawings were developed.

KEYWORDS: *Truss, Interval, Knot, Bars, Cross-Section, Angle, Band.*

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