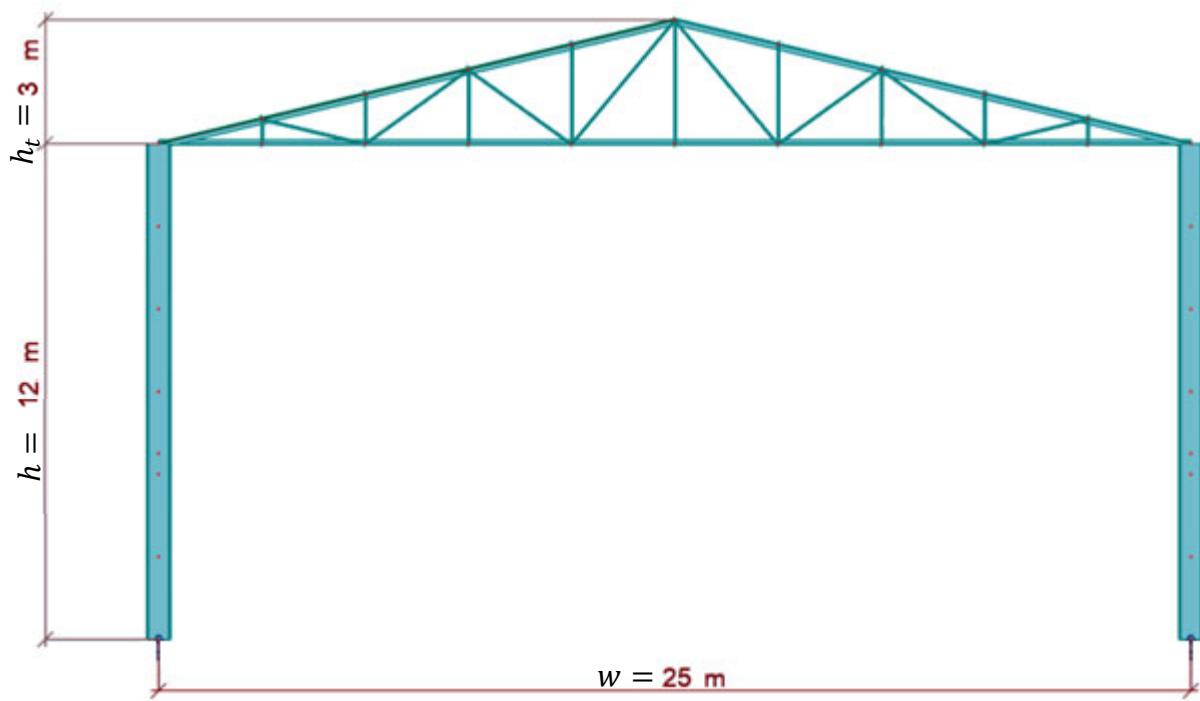# Design of Steel Temporary Building

Design the steel building shown in the figure using Autodesk Robot Structural Analysis Professional. The details are as follows:

- *Wind speed:* $v = 18$ m/sec
- *Distance between trusses:* $T = 5$ m
- *Cladding dead load:* $DL = 0.15$ kN/m^2, *Live load:* $LL = 0.6$ kN/m^2
- *Longitudinal dimension of the building:* $l = 30$ m
- *Steel grade:* $S275$

The Course Lecturer

Dr Bashar Salhab