

STRUTS AND TIES

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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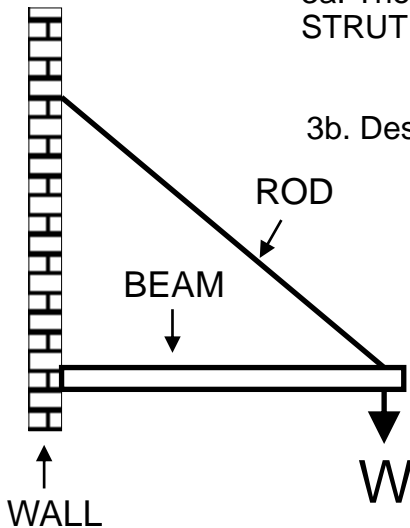
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1. What is a STRUT?

2. What is a TIE?

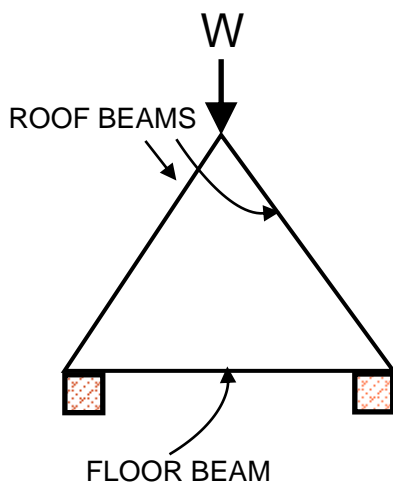
3a. The diagram opposite shows a beam held in position by a steel rod. Label the STRUT and TIE.



3b. Describe the forces being applied to the STRUT.

3c. Describe the forces being applied to the TIE.

4a. The diagram opposite shows the roof and floor beams of a house. Label the forces being applied to each beam.



4b. Explain the forces being applied to each beam.

5. Draw a diagram of any part of a building and label the forces being applied to it. Include struts, and ties.

Include a written explanation.
