

CASE HISTORY :- BOAT HOUSE TUNBRIDGE WELLS

ARCHITECTS
CONSTRUCTION

CLIVE MERCER ARCHITECTS LTD, CHICHESTER
SMALLWOOD GABION CONSTRUCTION

GABION DESIGN

HY-TEN GABION SOLUTIONS



As part of the development of a recreational facility in Tunbridge Wells, Kent, a building was required to house boats for hire. The architects looked at various options for the construction of the boat store and decided a gabion structure filled with the local Kent ragstone would fulfil their requirements.

The structure comprised of free standing trapezoidal gabion 700 system walls supporting the timber roof with vertical anchorage embedded within the gabion to resist possible uplift forces when the doors are open due to the wind.

Normally gabion structures are founded on a granular sub-base or the natural sub grade, however, in this instance a concrete foundation was specified to prevent differential settlements from occurring.

As the structure was not for habitation there was no requirement to provide impermeability or weatherproofing of the walls, but this could have been achieved if required.

The gabions were manufactured from triple life coated 76.2mm x 76.2mm x 4mm wire mesh for the external and internal faces to improve construction with internal mesh panels fabricated from triple life coated 76.2mm x 76.2mm x 3mm mesh resulting in a cost effective solution.



HY-TEN Gabion Solutions provide a free design service and technical support, for further information please contact :-

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