

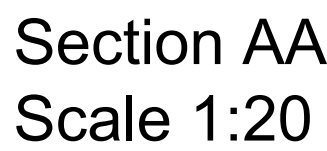
1. Structure:
New footings to structural engineer's design and specification and to local authority approval.

Ground Floor construction to provide an Elemental U-value of 0.22W/m²K calculated using a P/A ratio of 0.44.

Cavities to be filled to within 225mm of ground level with lean mix concrete, and the top surface weather struck to shed water to the lowest adjacent ground level; with weep holes formed in the appropriate leaf at 900mm centres.

New wall to achieve a u-value of $0.18 \text{ W/m}^2\text{K}$. (Minimum permissible value is $0.28 \text{ W/m}^2\text{K}$).

Timber look cladding - Envirobuild, Stone Composite Cladding: Sentinel range (or similar equivalent); colour - Stone Grey TBC with client; all fixings to be as manufacturers recommendations; on breather membrane on 50mm Celotex GA4000 rigid PIR to upgrade existing dormer u-value.



Existing gutters to be kept are to be overhauled, and joints made watertight

Please see drawings for detector positions and type.

Electrical installation to comply with BS 7671 2008 'Requirements for Electrical Installations' (IEE Wiring Regulations). Switches and sockets to habitable rooms are to be positioned in accessible locations so they are easily reachable. Part M of the Building Regulations provides an appropriate height of between 450 and 1200mm above floor level.

All new electrical work is to be designed, installed, inspected and tested in accordance with BS 7671 2008 (I.E.E wiring regulations 17th edition). The works are to be undertaken by an installer registered under a suitable self-certification scheme, or alternatively by a suitably qualified person, with a certificate of compliance produced by that person to building control on completion of the works.

Structural elements to first floor to have protection of 30mins fire resistance for steelwork or timber structure; to be achieved with 2 layers of 12.5mm plasterboard; for exposed steelwork elements treat with Envirograf intumescent coating to give a 30mins fire resistance, in accordance with the manufacturers guidelines.

A soakaway test shall be undertaken and the results along with the proposed soakaway design forwarded to building control for approval.

notes:

revisions:

revisions:

drawing information

title : **Section AA and Construction Notes**
 status : Information
 date : May 21
 scale : 1:20 @ A1
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Section AA and

Construction Notes

Information

1:20 @ A1

CE

SL

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NOTE: The contractor is responsible for checking all site dimensions and levels. These should be checked prior to the ordering of any components and before the commencement of the works. All discrepancies should be brought to the attention of the Contract Administrator