

POT 1 COPY  
07/859

**ADDITIONAL AMENDMENTS**

- Amended layout of buildings/outside areas
- Additional background information
- Amended design
- Revised access arrangements
- Change of description of proposed development - as indicated on the previous page
- Change in site boundaries
- Other (as specified below)

North York Moors National Park  
 Planning Department  
 Helmsley  
 28th Jan 2008  
 Attn A. Muir

# Agate **design**

buildings • interiors • space planning  
 48 Cleveland Street Shrewsbury SY2 5DN  
 Tel/Fax: 01743 357589

Dear Sirs

**Newbiggin High Farm Aislaby, Whitby**  
 ref: NYM/2007/0859/FL/INV

Further to our telephone conversations & referring back to your letter of the 6th Dec 2007 we enclosed revised siting proposals for the wind turbine as recommended in the consultations with yourselves.

This is a 'Proven' 6000 6Kw model mounted on a tilt-up, self supporting, tapered 9 mtr column. This is positioned within the farm group, on a gap where wind funnels through the valley. The cut-in wind speed is 2.5mtr/sec, which this position will allow it to achieve. It is further down the slope & within the group of farm buildings which the previously suggested site was not. It is now only visible against a backdrop of buildings when looking into the site.

The Bat Survey previously commissioned refers to the open barns only in terms of possible feeding areas, & has already touched on these spaces. The rotors are designed to be low revving & therefore are no danger to bats. This is confirmed by other current installations. At higher wind speeds insect feeding would not be able to take place in these exposed conditions.

Noise levels range from 45-65 dBA, equivalent to light domestic equipment operating within a room. Enclosed are elevation drawings, ref. 0708.02, overlay photo & location plan showing the proposed siting of the wind turbine.

Energy use on the site is currently equivalent to a rating of 3 x 63 amps. The unit provides 24 amps, which will, in practice, supply a complete dwelling. Its impact on energy demand in this location will be substantial & is coupled with an ability to export in times of low site usage. The choice of turbine is related to its initial capital cost in relation to other renewables, costing of any additional installation works, its immediate impact on energy reduction & its ease of maintenance or replacement.

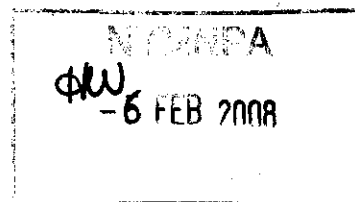
Siting of solar panels raises similar issues of visual intrusion with the parks authority, besides being less economic generators of electricity.

A ground source heat pump has been priced, but has high installation & substantial running costs which are not justified for the holiday cottage use. The farmhouse does not have an appropriate heating system which would be compatible with this.

I trust this additional information is sufficient for your appraisal & will enable this application to be validated. Please let me know if further information is required.

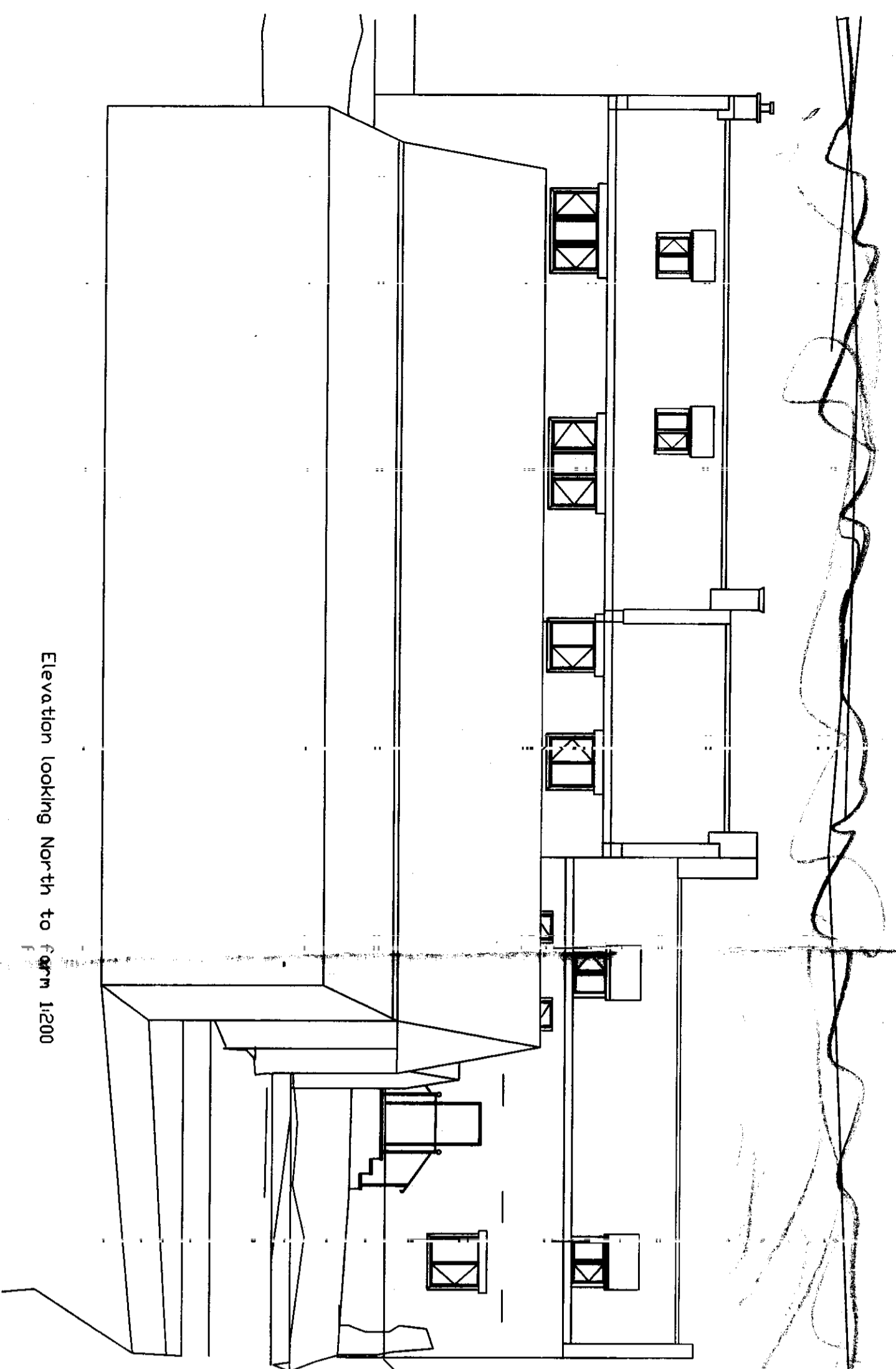
Yours Sincerely

  
 W. McCabe

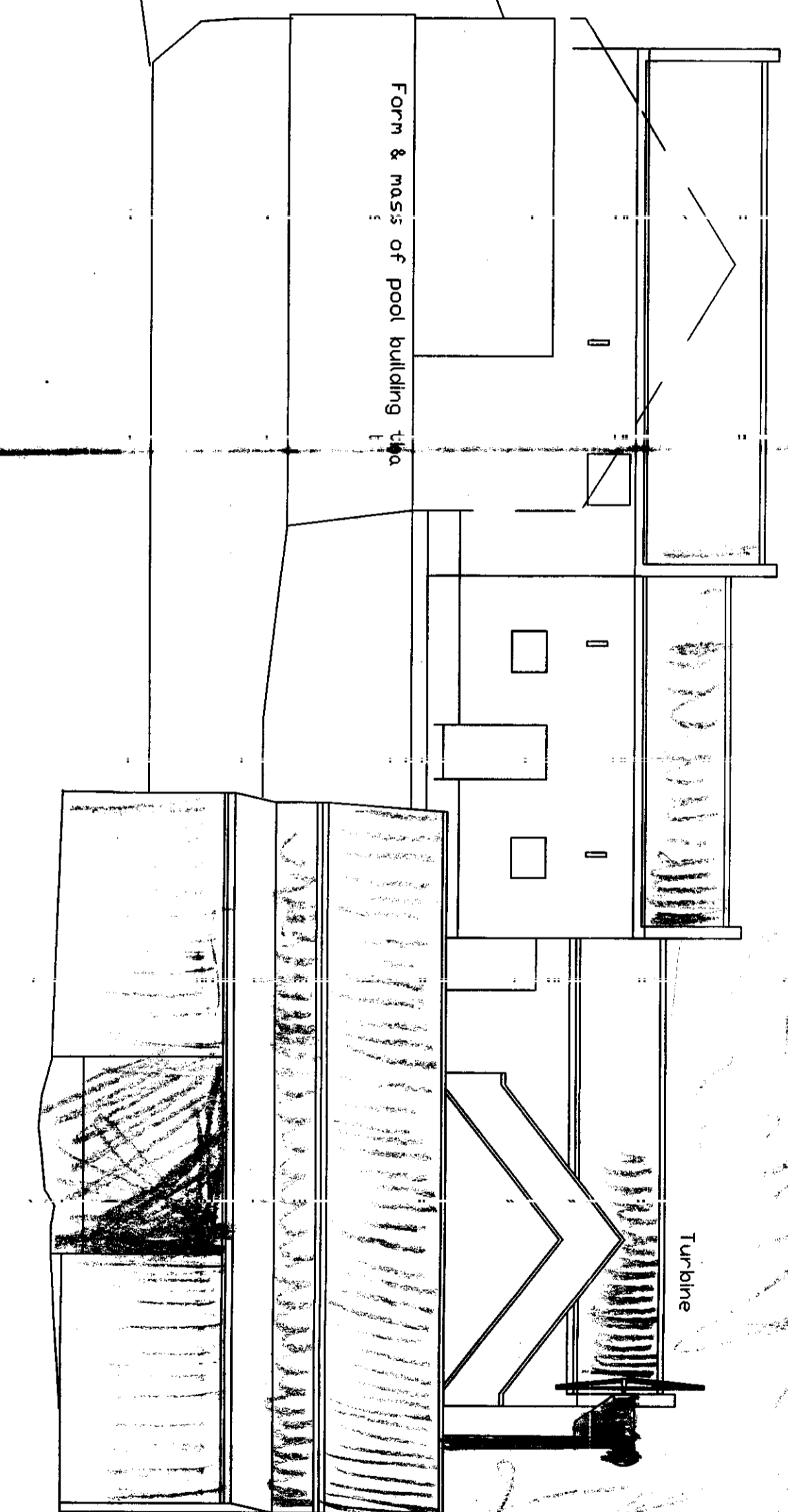


w. mCabe, director

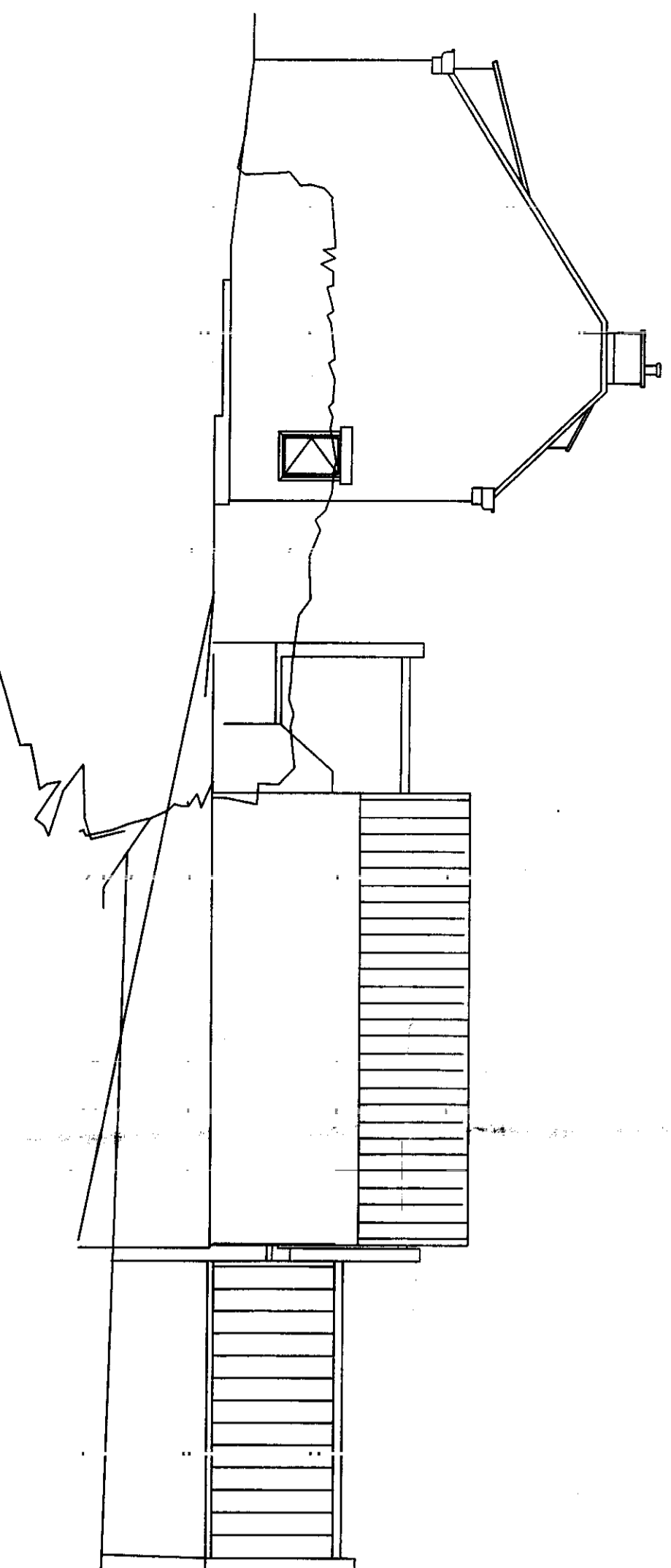
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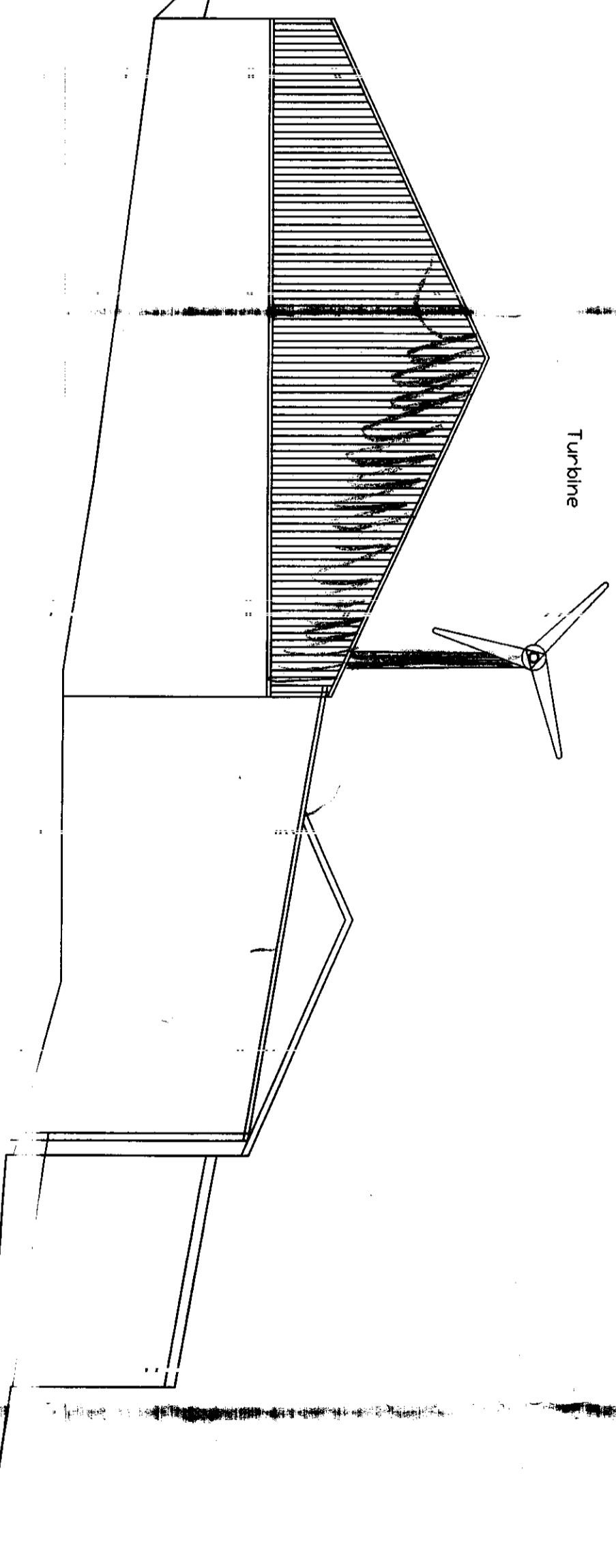
Elevation looking North to farm 1200



Form & mass of pool building

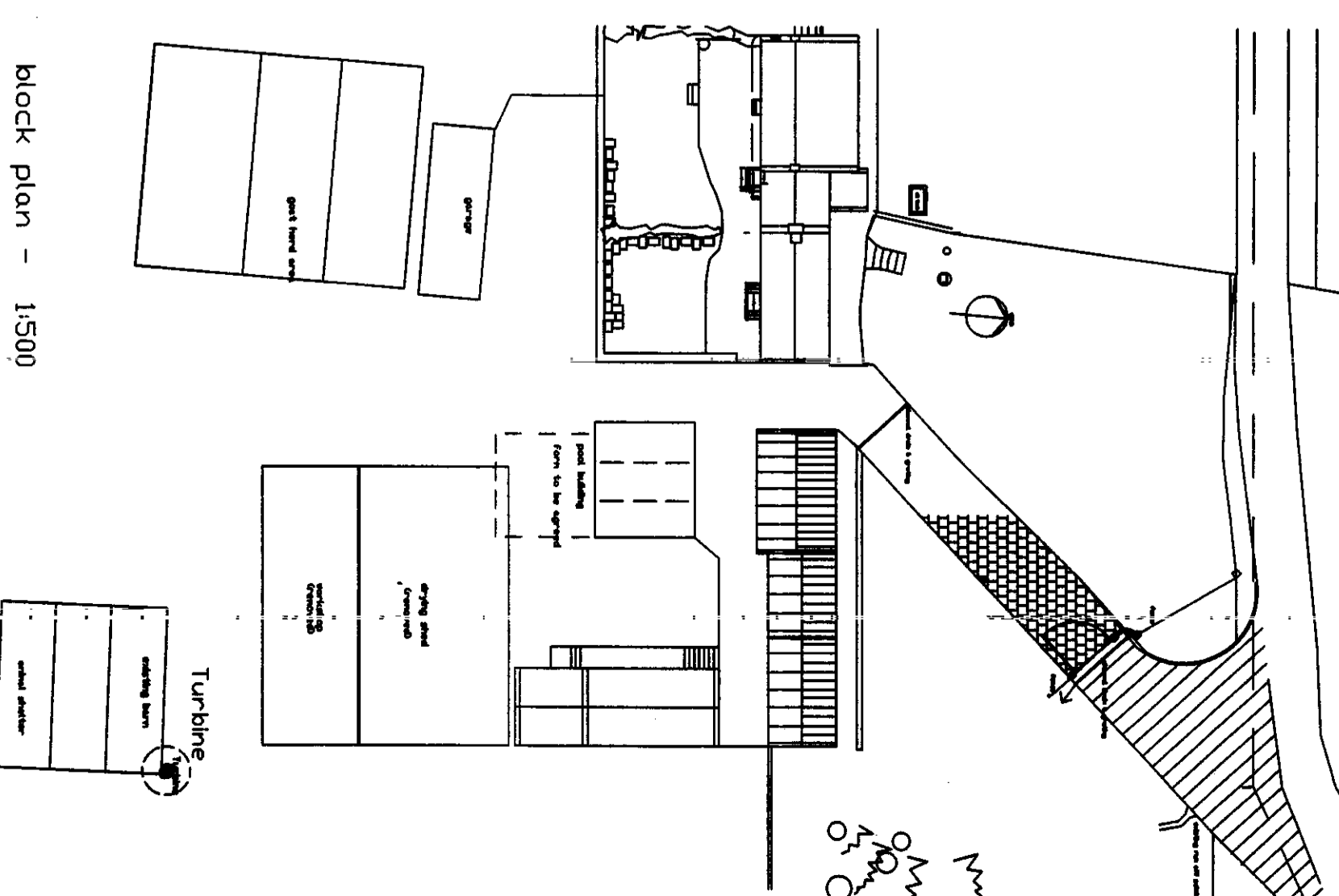


Elevation looking East 1200

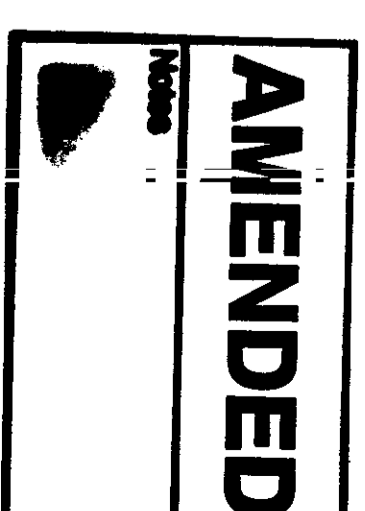


Turbine

block plan - 1500



Notes:  
Pool building will add to the building backdrop  
Tapered mast will be painted to blend with buildings  
Reduced height of western barns shown  
Current height approx. 24 mtrs higher.



Agate design 01743 357589

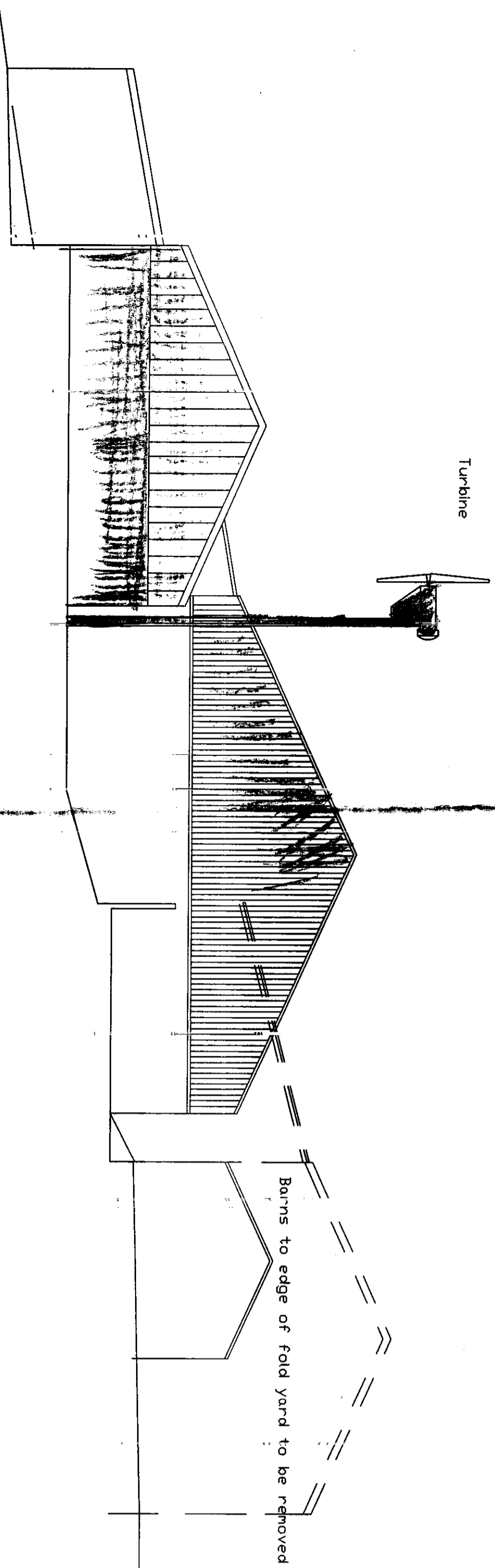
client  
Mr & Mrs E. Thackroy  
project  
Newbiggin High Farm, Aislaby  
Renewable energy provision

drawing  
Site layout & turbine elevations

date 10/07 scale marked rev. 07/08.02

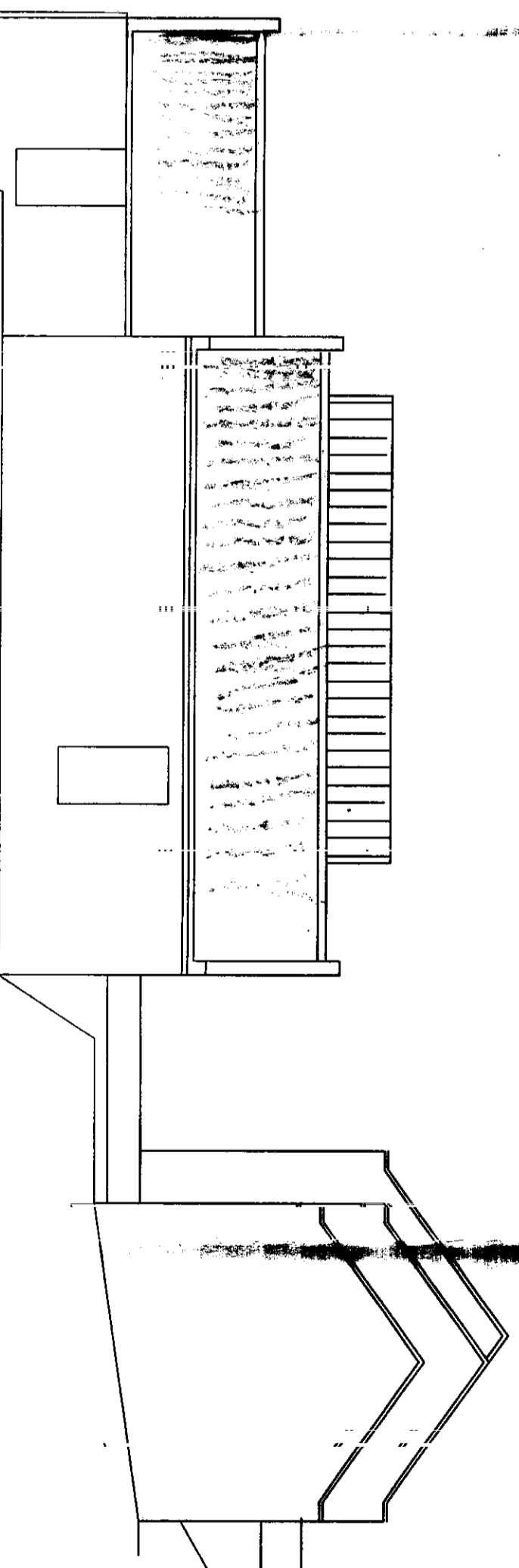
Revision Notes  
Do not scale, all dimensions to be checked on site.

Elevation looking West 1100



Barns to edge of fold yard to be removed

Turbine



07/08.02