

Ordnance Survey  
OS Sitemap®



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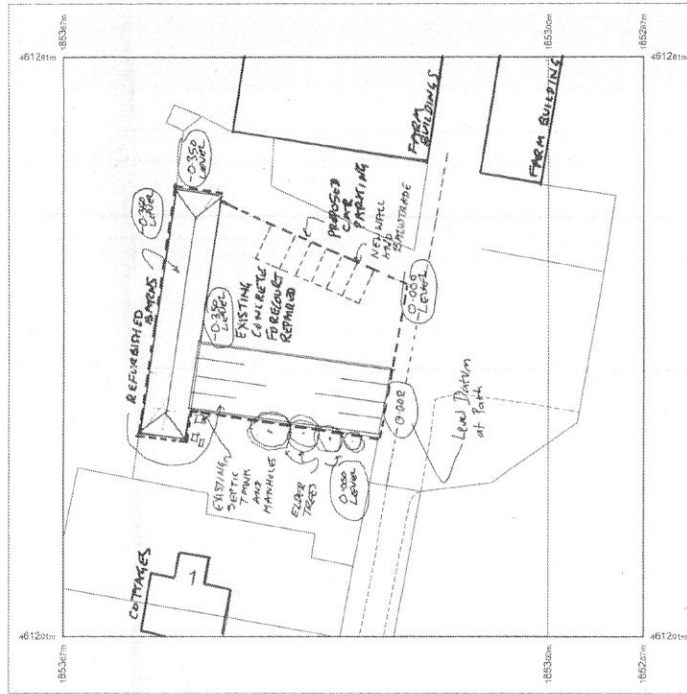
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Supplied by: South Oxfordshire D C  
Serial number: 02251802  
Centre coordinates: 461250 5 485350 75

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Produced at one of more of the following scales: 1:1250, 1:2500, 1:10000.

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Serial number: 02201900  
Centre coordinates: 461241 195208 88

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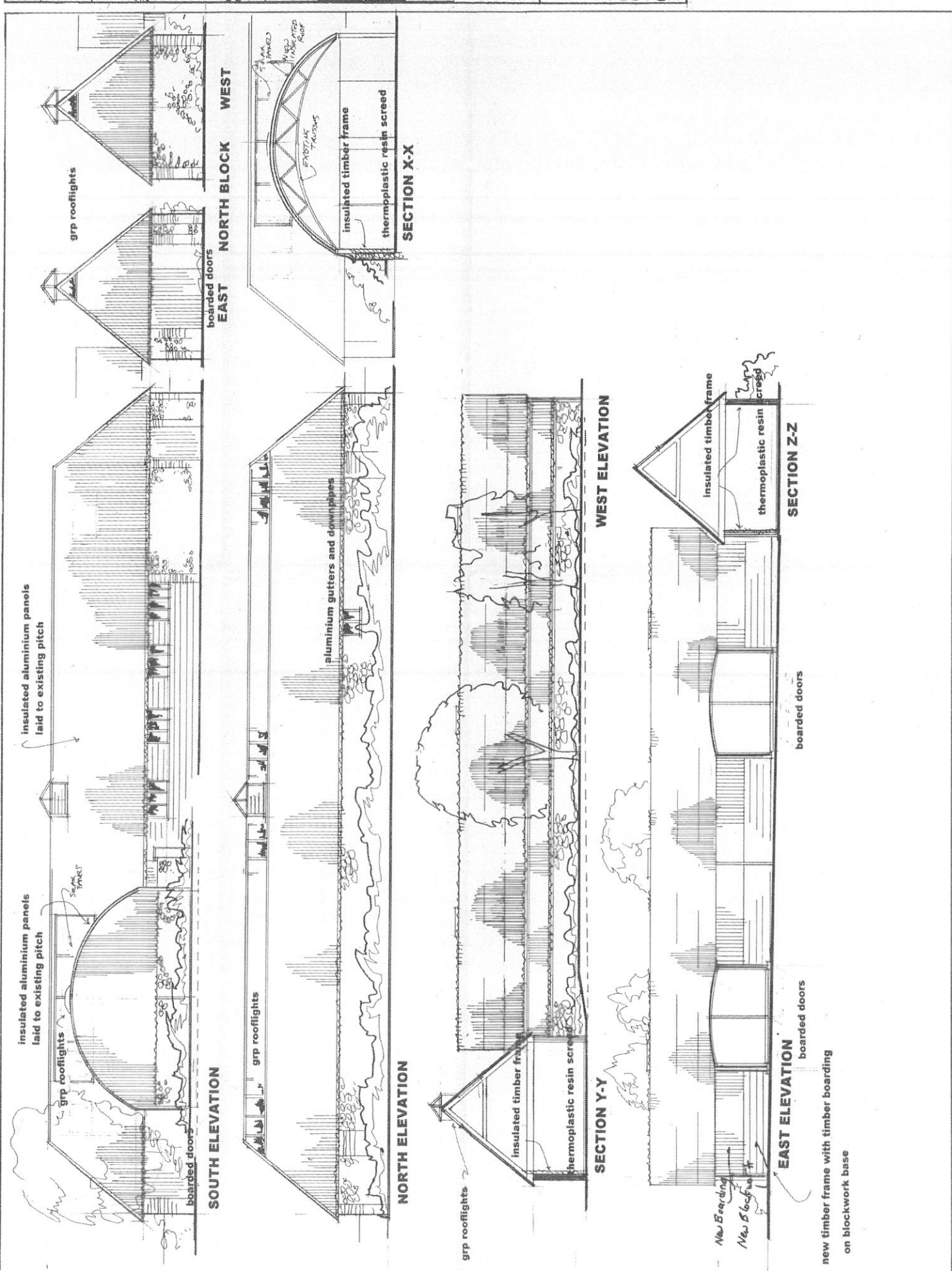
SCALE AS SHOWN	DATE JULY 2011	NOTES
NO	IBFS (01)	

ALLEN LEVY R.I.B.A. Architect and Designer

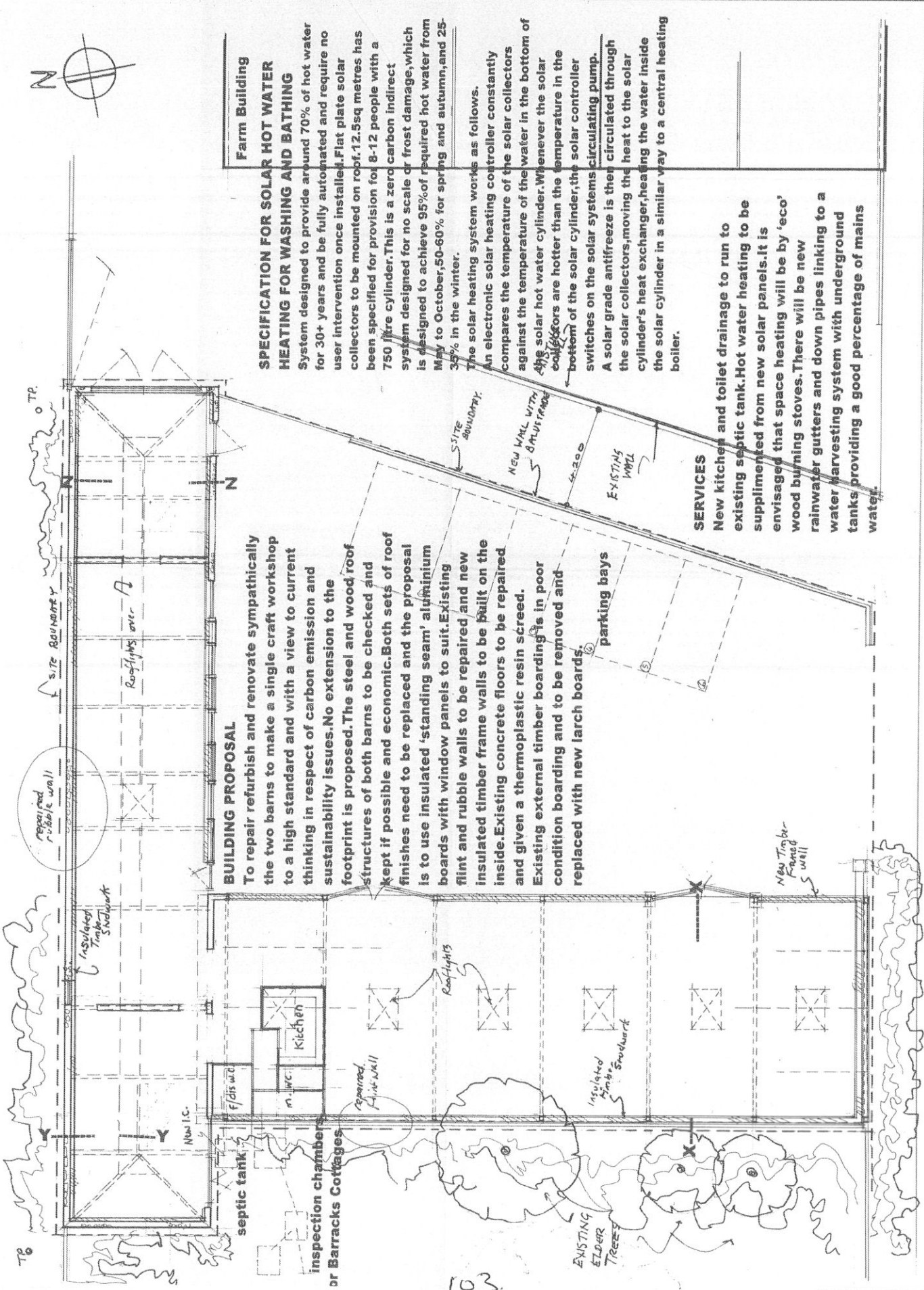
JOB BARRACKS FARM NORTH STOKES LOCATION. BLOCK PLANS Workshop Project

APPENDIX 2

JOB BARRACKS	TITLE WORKSHOP	DATE JULY 2011	SCALE 1:100
NORTH STOKES	PROPOSED	REVISED REV A - Aug 2011	NOTES Scale Drawing Amended
FARM	PROJECT	BFS 06 A	NO



108 BARRACKS FARM NORTH STOKE	WORKSHOP PROJECT	DATE	SCALE
PROPOSED PLAN	JULY 2011	1:100	
NOTES REV 11 - AUG 2011			
BFS005	A		



**Farm Building**

**SPECIFICATION FOR SOLAR HOT WATER HEATING FOR WASHING AND BATHING**

System designed to provide around 70% of hot water for 30+ years and be fully automated and require no user intervention once installed. Flat plate solar collectors to be mounted on roof. 12.5sq metres has been specified for provision for 8-12 people with a 750 litre cylinder. This is a zero carbon indirect system designed for no scale or frost damage, which is designed to achieve 95% of required hot water from May to October, 50-60% for spring and autumn, and 25-35% in the winter.

The solar heating system works as follows. An electronic solar heating controller constantly compares the temperature of the solar collectors against the temperature of the water in the bottom of the solar hot water cylinder. Whenever the solar collectors are hotter than the temperature in the bottom of the solar cylinder, the solar controller switches on the solar systems circulating pump. A solar grade antifreeze is then circulated through the solar collectors, moving the heat to the solar cylinder's heat exchanger, heating the water inside the solar cylinder in a similar way to a central heating boiler.

**SERVICES**

New kitchen and toilet drainage to run to existing septic tank. Hot water heating to be supplemented from new solar panels. It is envisaged that space heating will be by 'eco' wood burning stoves. There will be new rainwater gutters and down pipes linking to a water harvesting system with underground tanks providing a good percentage of mains water.

**BUILDING PROPOSAL**

To repair refurbish and renovate sympathetically the two barns to make a single craft workshop to a high standard and with a view to current thinking in respect of carbon emission and sustainability issues. No extension to the footprint is proposed. The steel and wood roof structures of both barns to be checked and kept if possible and economic. Both sets of roof finishes need to be replaced and the proposal is to use insulated 'standing seam' aluminium boards with window panels to suit. Existing flint and rubble walls to be repaired and new insulated timber frame walls to be built on the inside. Existing concrete floors to be repaired and given a thermoplastic resin screed. Existing external timber boarding in poor condition boarding and to be removed and replaced with new larch boards.