

## **METHOD STATEMENT FOR WORKS ON CONVERSION OF STEEL FRAMED AGRICULTURAL BUILDING @ LANCARROW FARM, FOUR LANES, REDRUTH**

### **Floor**

Excavate to required height to allow for required depth of hardcore, sand blinding and damp proof membrane. Incorporating radon sumps as required for building regulations. Shutter edges and lay a minimum of 100mm C35 concrete over the combined damp proof membrane/radon barrier.

Lay minimum of 100mm Celotex or equivalent insulation over existing slab and finish in either floating chipboard or floor screed as required.

### **Walls**

Lay one dolly course of block 50mm inside of existing timber side rails with damp proof course to underside and returning on rear face. Construct sole plate of treated timber fixing to top of dolly course and create new internal timber frame wall with 140mm timber with noggins at 1,200,2,400 and 3,600mm height. Fix new internal timber frame walls to columns of existing barn. Externally side of timber frame wall to be sheaved with 12mm OSB sheeting with required vapour barrier externally. Fit 140mm fibreglass quilt between studwork.

In order to protect the inner timber frame wall (additional to the vapour barrier) it is recommended that the gap between the 'butt boarding' is overclad with 4 x 1-inch tanalised timber to make this 'overlapped vertical cladding'.

### **Roof**

In the event that a new roof covering is required strip back existing covering, lay underfelt over the top of the purlins and fix new corrugated sheets to match the profile of the existing. Insect mesh to be added at the eaves to allow for air circulation and to stop fly infestation, vented ridges to be incorporated. The insulation to the roof will be part between the existing purlins and part to the underside of purlins ready for plaster-boarding.

### **Rainwater Goods**

Add rainwater goods to disperse to soakaways over 5m from property having sufficient percolation tests undertaken to comply with building regulations.

## External Joinery

All windows and doors to meet building regulations in terms of safety glazing, U-values and trickle ventilation.