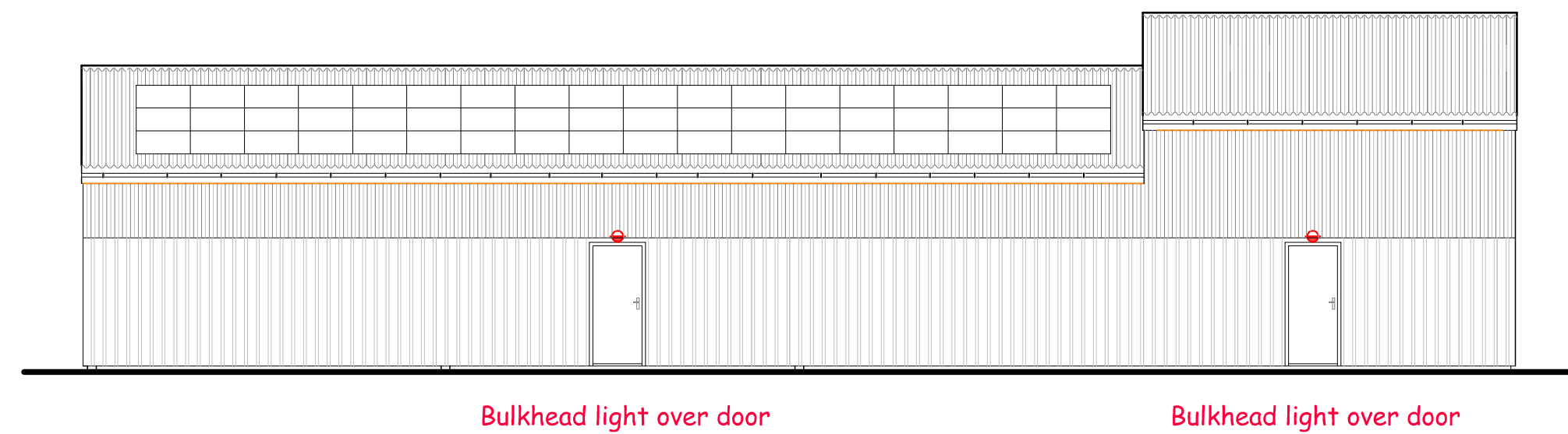
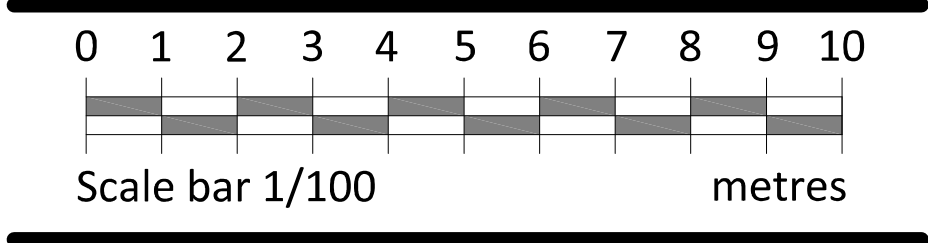
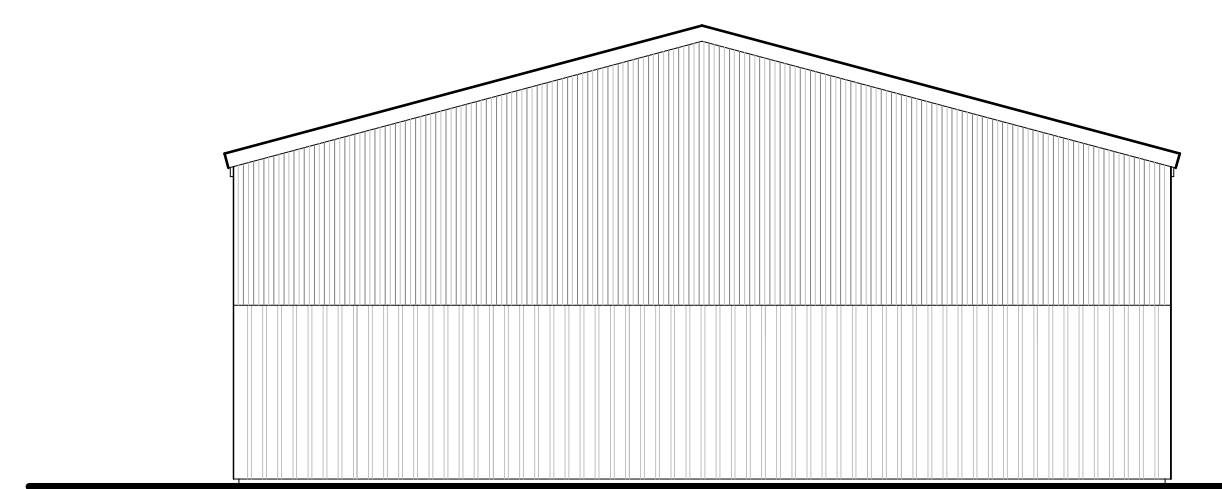
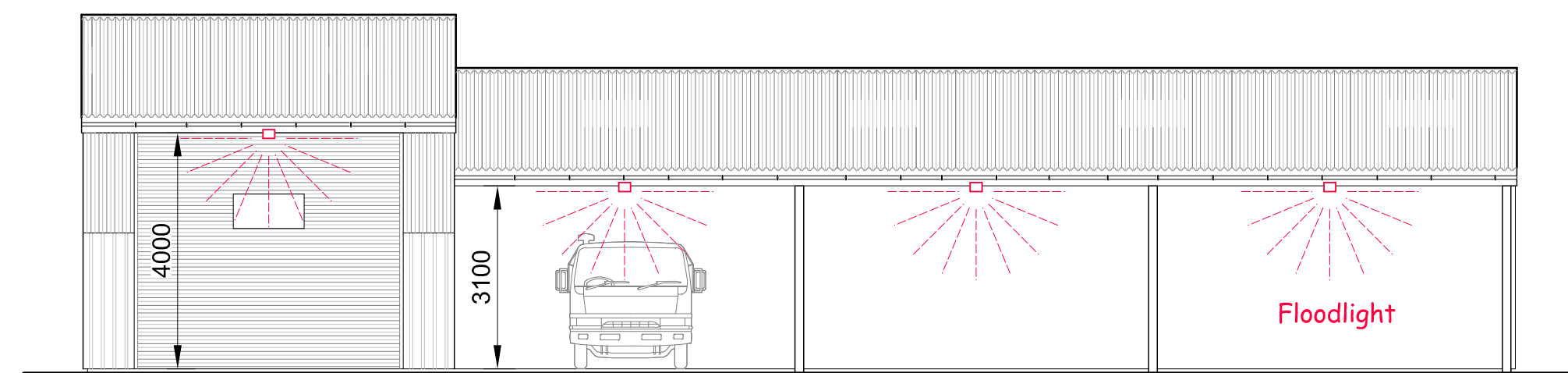




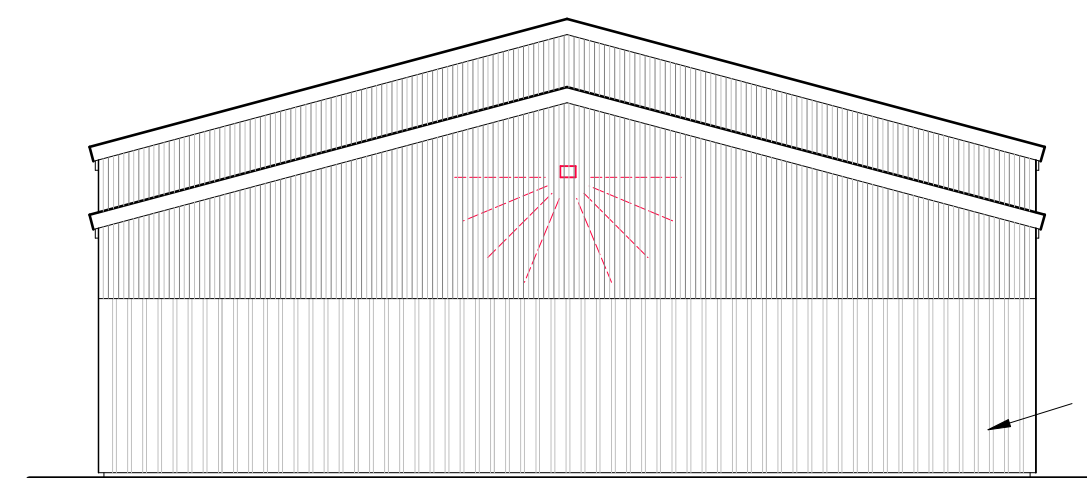
REAR (SOUTHWEST) ELEVATION



SIDE (SOUTHEAST) ELEVATION



FRONT (NORTHEAST) ELEVATION



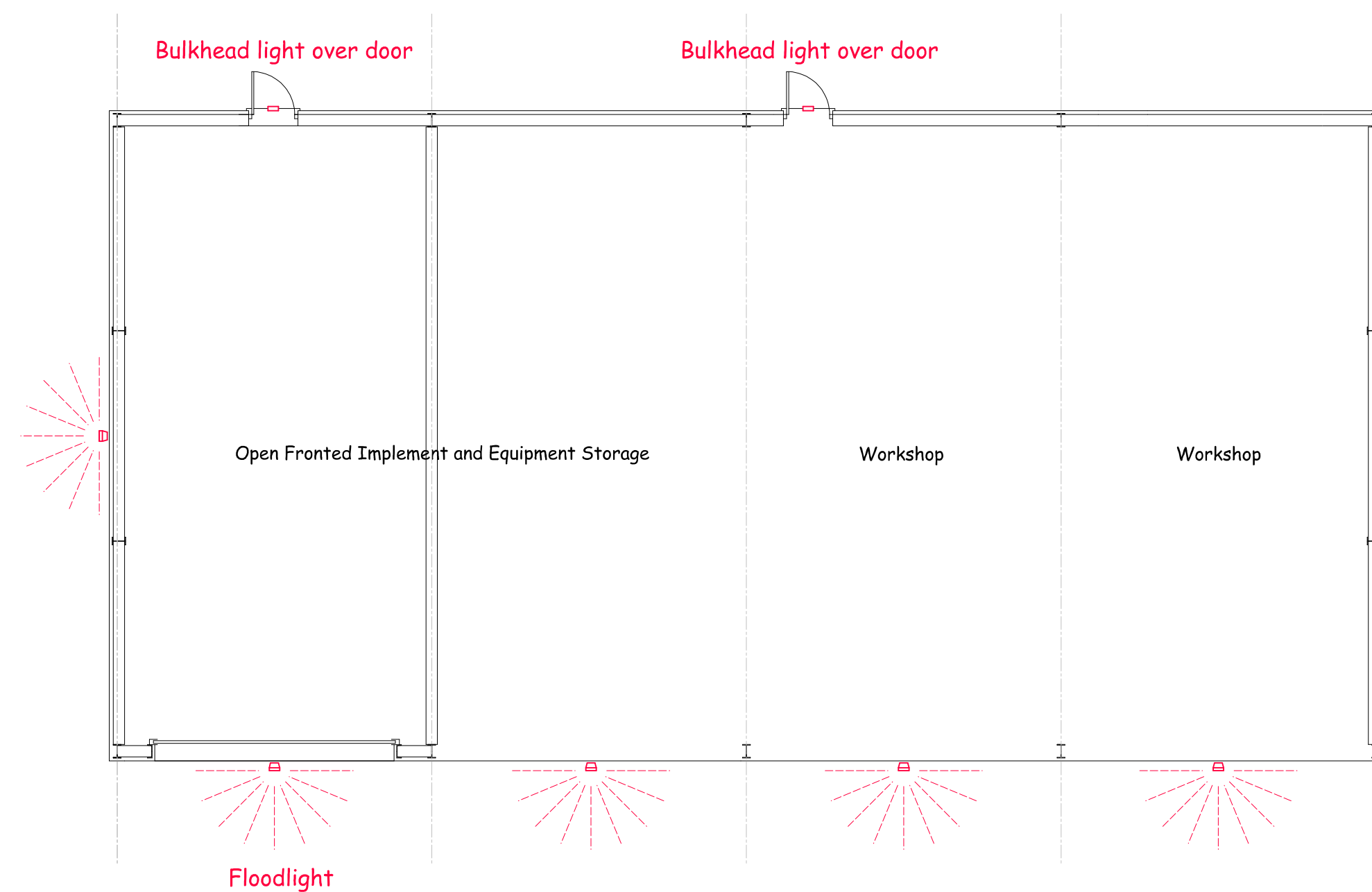
SIDE (NORTHWEST) ELEVATION



Floodlight



Bulkhead light



PROPOSED FLOORPLAN

#### General notes:

External lighting to be provided around building, in order to facilitate safe access to and from the building at night, safe parking and an adequate level of security.

Light fitting to provide a low level light spread, projecting the light downwards, reducing glare and minimising any impact on neighbouring properties

Lighting to incorporate PIR sensors to provide security activation of the lights at night and to incorporate built-in photocell sensors to deactivate the lights during the day

#### Environmental Considerations

The following have been taken into consideration in the design and specification of the external lighting, specifically with regard to the lighting impact on local wildlife and neighbouring properties:

- Lamp colour temperature (Kelvins)
- Lamp Lumen output
- Luminaire to be low glare, shielded to prevent upware glare.
- Use of low energy fitting

Insects and wild life are distracted at night by the cool colour spectrum of 6000 Kelvins and above and Bats also are disturbed by bright cool lights. The proposal therefore is to use only fitting within the warm spectrum of the Kelvin range below 6000K.

#### Example of proposed external bulkhead lighting

Typical lamp specification  
10W Warm White LED bulb  
240v  
3000 Kelvin

Indicated as -

#### Example of proposed flood light fitting

Typical lamp specification  
20W Warm White LED bulb  
240v  
5800 Kelvin

Indicated as -

  
Nigel Forrester MCIOS  
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www.nigelforrester.co.uk www.sap-calc.co.uk

#### CLIENT

Mr G Plant

#### PROJECT

Proposed garage/workshop building  
at

South Field Farm  
Leek Road  
Wetley Rocks  
Stoke-on-Trent  
ST9 0AR

DRAWING NUMBER 19/578/12

External lighting

SCALES 1/50 @ A1