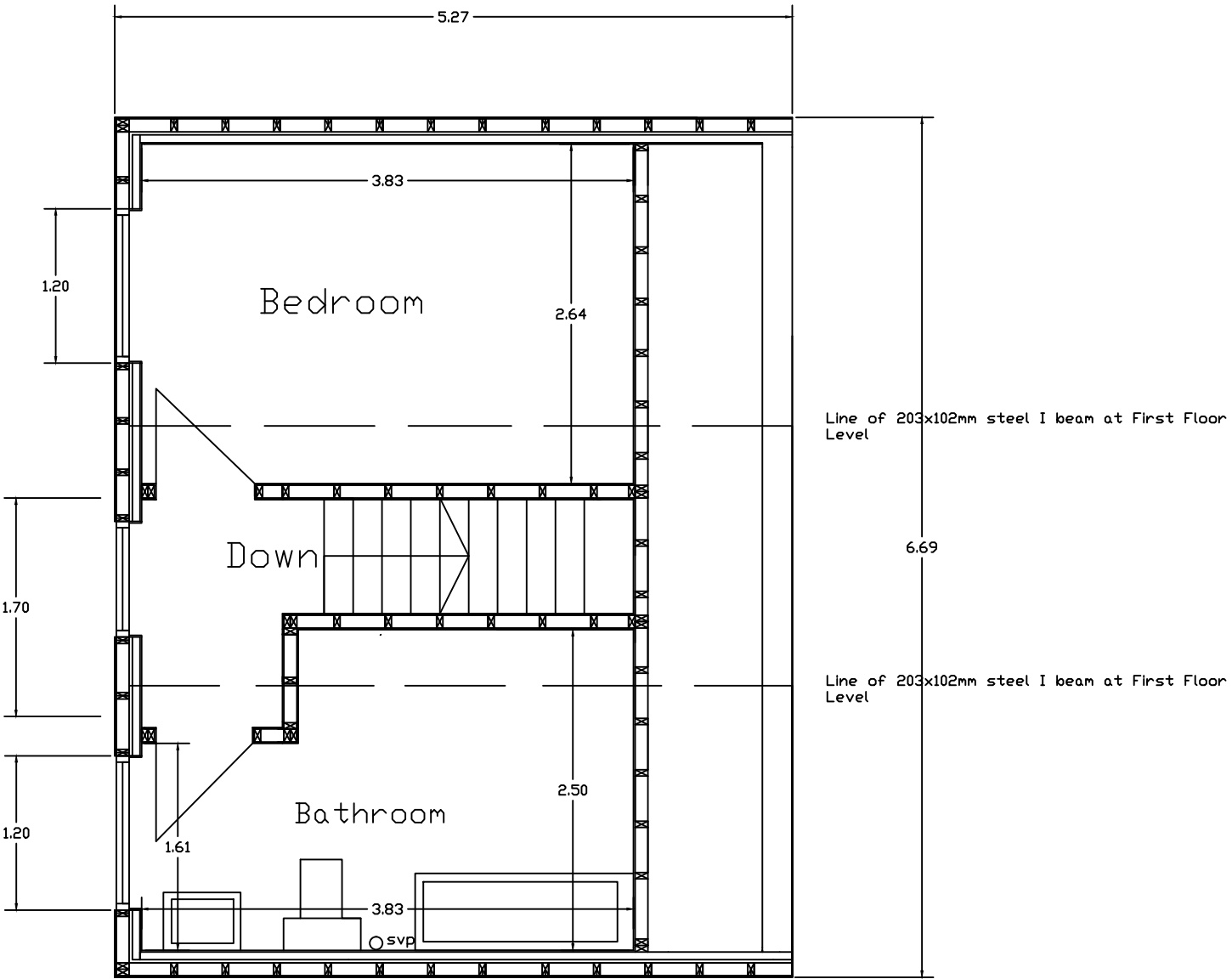


EXTERNAL WALLS FF - to achieve 0.30 U Value  
Tile hung with plain concrete Redland tiles to match existing, on 38x25mm treated softwood tiling battens, on Tyvek or similar breathable membrane, on 12mm external plywood or OSB sheathing fixed to 47x100mm treated softwood framing members at 400mm vertical centres, with head and sole plates and intermediate struts as necessary. Fill cavity between framing members with 100mm thick fibreglass insulation roll. Fix 47x25mm treated softwood battens at 400mm centres then Celotex PL4000, or similar, insulated plasterboard layer, 60mm insulation and 12.5mm tapered plasterboard. Tape, fill and set all joints in plasterboard.

INTERNAL STUDWORK WALLS  
Build new studwork walls with 47x100mm treated softwood head and sole plates and vertical studs with intermediate rails at maximum 400mm centres. Fill cavity between framing members with glass or mineral wool insulation and fix 12.5mm plasterboard layer to inner and outer faces. Tape, fill and set all plasterboard joints.

WINDOWS AND DOORS- to achieve 2.0 U Value  
Fit FENSA approved PVCu windows and doors to compliment those fitted to the main House. Sealed double glazed units incorporating a 16mm air gap and inner pane of low-E type glass. Openable ventilation area to be equivalent to 1/20th total floor area. Trickle ventilation to provide background ventilation of 8000mm<sup>2</sup> for any habitable room and 4000mm<sup>2</sup> for any other room. All internal doors to be 1/2 hour fire rated construction

SEPARATING FLOOR  
2400x600x22mm moisture resistant T&G chipboard panels screwed to 47x175mm treated softwood joists at 400mm centres spanning between existing steel joists and between steel joists and external walls. Note: maximum span 2150mm. 12.5mm foil backed plasterboard to underside of joists, and mineral wool, glass fibre or rigid insulation board between joists to fill cavity. Ceilings to achieve 30 minutes fire resistance from the underside.



PROPOSED FIRST FLOOR PLAN

General Notes

| No. | Revision/Issue | Date |
|-----|----------------|------|
|     |                |      |
|     |                |      |

Proposed First Floor  
Garage Plan

Project Name and Address  
Convert detached  
garage into Granny  
Annexe  
7 Treeside Way,  
Waterlooville,  
Hampshire, PO7 7JU

| Project            | Sheet        |
|--------------------|--------------|
| Date<br>March 2015 | 1810/05<br>P |
| Scale<br>1:50 @ A3 |              |