Building Control application

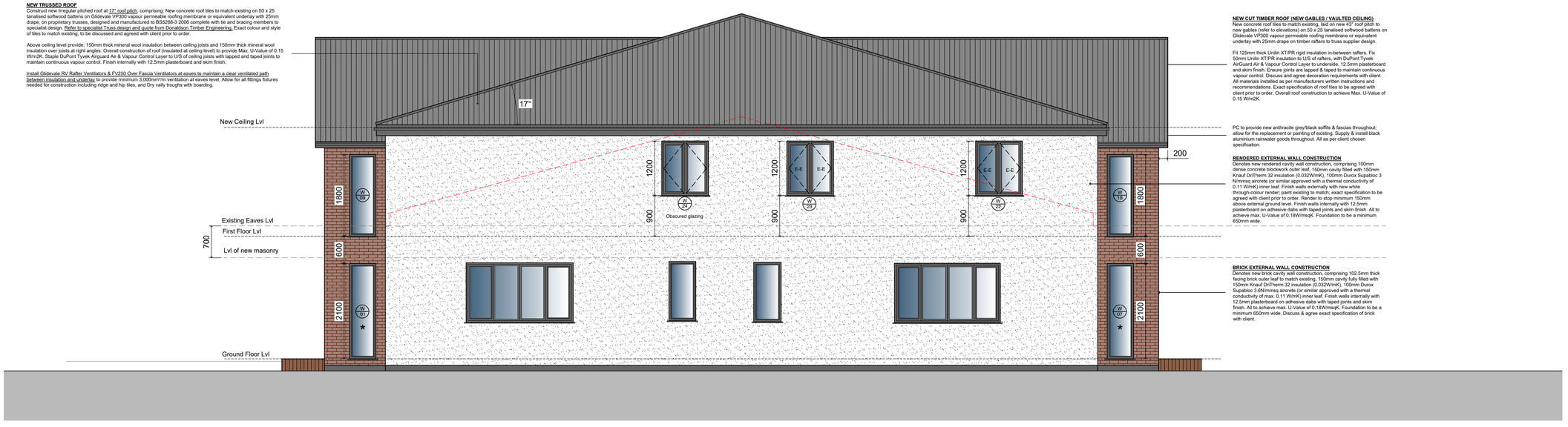


NEW TRUSSED ROOF
Construct new Irregular pitched roof at 35° roof pitch, comprising: New concrete roof tiles to match existing on 50 x 25 tanalised softwood battens on Glidevale VP300 vapour permeable roofing membrane or equivalent underlay with 25mm drape, on proprietary trusses, designed and manufactured to BS5268-3 2006 complete with tie and bracing members to specialist design. Refer to specialist Truss design and quote from Donaldson Timber Engineering. Exact colour and style of tiles to match existing, to be discussed and agreed with client prior to order.

Above ceiling level provide; 150mm thick mineral wool insulation between ceiling joists and 150mm thick mineral wool insulation over joists at right angles. Overall construction of roof (insulated at ceiling level) to provide Max. U-Value of 0.15 W/m2K. Staple DuPont Tyvek Airguard Air & Vapour Control Layer to U/S of ceiling joists with lapped and taped joints to maintain continuous vapour control. Finish internally with 12.5mm plasterboard and skim finish.

Install Glidevale RV Rafter Ventilators & FV250 Over Fascia Ventilators at eaves to maintain a clear ventilated path between insulation and underlay to provide minimum 3,000mm²/m ventilation at eaves level. Allow for all fittings fixtures needed for construction including ridge and hip tiles, and Dry vally troughs with boarding.

REAR ELEVATION AS PROPOSED 1:50



NEW TRUSSED ROOF
Construct new Irregular pitched roof at 17° roof pitch, comprising: New concrete roof tiles to match existing on 50 x 25 tanalised softwood battens on Glidevale VP300 vapour permeable roofing membrane or equivalent underlay with 25mm drape, on proprietary trusses, designed and manufactured to BS5268-3 2006 complete with tie and bracing members to specialist design. Refer to specialist Truss design and quote from Donaldson Timber Engineering. Exact colour and style of tiles to match existing, to be discussed and agreed with client prior to order.

Above ceiling level provide; 150mm thick mineral wool insulation between ceiling joists and 150mm thick mineral wool insulation over joists at right angles. Overall construction of roof (insulated at ceiling level) to provide Max. U-Value of 0.15 W/m2K. Staple DuPont Tyvek Airguard Air & Vapour Control Layer to U/S of ceiling joists with lapped and taped joints to maintain continuous vapour control. Finish internally with 12.5mm plasterboard and skim finish.

Install Glidevale RV Rafter Ventilators & FV250 Over Fascia Ventilators at eaves to maintain a clear ventilated path between insulation and underlay to provide minimum 3,000mm²/m ventilation at eaves level. Allow for all fittings fixtures needed for construction including ridge and hip tiles, and Dry vally troughs with boarding.

NEW CUT TIMBER ROOF (NEW GABLES / VAULTED CEILING)
New concrete roof tiles to match existing, laid on new 43° roof pitch to new gables (refer to elevations) on 50 x 25 tanalised softwood battens on Glidevale VP300 vapour permeable roofing membrane or equivalent underlay with 25mm drape on timber rafters to truss supplier design.

Fit 125mm thick Unilin XT/PR rigid insulation in-between rafters. Fix 50mm Unilin XT/PR insulation to U/S of rafters, with DuPont Tyvek AirGuard Air & Vapour Control Layer to underside. 12.5mm plasterboard and skim finish. Ensure joints are lapped & taped to maintain continuous vapour control. Discuss and agree decoration requirements with client. All materials installed as per manufacturers written instructions and recommendations. Exact specification of roof tiles to be agreed with client prior to order. Overall roof construction to achieve Max. U-Value of 0.15 W/m2K.

PC to provide new anthracite grey/black soffits & fascias throughout; allow for the replacement or painting of existing. Supply & install black aluminium rainwater goods throughout. All as per client chosen specification.

RENDERED EXTERNAL WALL CONSTRUCTION
Denotes new rendered cavity wall construction, comprising 100mm dense concrete blockwork outer leaf, 150mm cavity filled with 150mm Knauf DriTherm 32 insulation (0.032W/mK), 100mm Durox Supabloc 3 N/mmsq aircrete (or similar approved with a thermal conductivity of 0.11 W/mK) inner leaf. Finish walls externally with new white through-colour render; paint existing to match; exact specification to be agreed with client prior to order. Render to stop minimum 150mm above external ground level. Finish walls internally with 12.5mm plasterboard on adhesive dabs with taped joints and skim finish. All to achieve max. U-Value of 0.18W/msqK. Foundation to be a minimum 650mm wide.

BRICK EXTERNAL WALL CONSTRUCTION
Denotes new brick cavity wall construction, comprising 102.5mm thick facing brick outer leaf to match existing, 150mm cavity fully filled with 150mm Knauf DriTherm 32 insulation (0.032W/mK), 100mm Durox Supabloc 3.8N/mmsq aircrete (or similar approved with a thermal conductivity of max. 0.11 W/mK) inner leaf. Finish walls internally with 12.5mm plasterboard on adhesive dabs with taped joints and skim finish. All to achieve max. U-Value of 0.18W/msqK. Foundation to be a minimum 650mm wide. Discuss & agree exact specification of brick with client.

SIDE ELEVATION AS PROPOSED 1:50

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DO NOT SCALE OFF DRAWINGS
Dimensions to be checked on site.

CDM Regulations 2015

Principal contractor to plan for mitigation measures in response to hazards. CDM Regulations require that **all** projects are to;

- **Have workers to be competent and are suitably skilled for the work they carry out;**
- **Contractors to provide appropriate supervision, instruction and information to all on site workers to provide a safe working environment;**
- **Have a written construction phase H&S plan**

Worcester Lloyd are appointed as 'Designer' only, unless a written appointment has been completed for the formal appointment as 'Principal Designer'. If Worcester Lloyd has been appointed as '**Principal Designer**' then refer to 'Pre-construction information pack' for design health and safety information for this project.

Building Control

Drawings are in draft until approved in writing by Building control. These drawings are to be read in conjunction with all consultants information, including but not limited to; Structural design.

Planning Conditions

Refer to planning approval for all planning conditions. Drawings are to be read in conjunction with the planning approval notice.

Rev	Note	Date
B	Revised external materials	Sept 26
A	Final SE and truss design	Aug 26

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Project **Stainsby Bungalow, Main Road, Smalley, Ilkeston DE7 6DS**

Drawing Title **Rear & Side Elevations as proposed**

Scale 1:50

Sheet A1 | Drawn By SW | Checked By PA

Date	Job No.	Drawing No.	Revision
May 26	003 2024	016	B