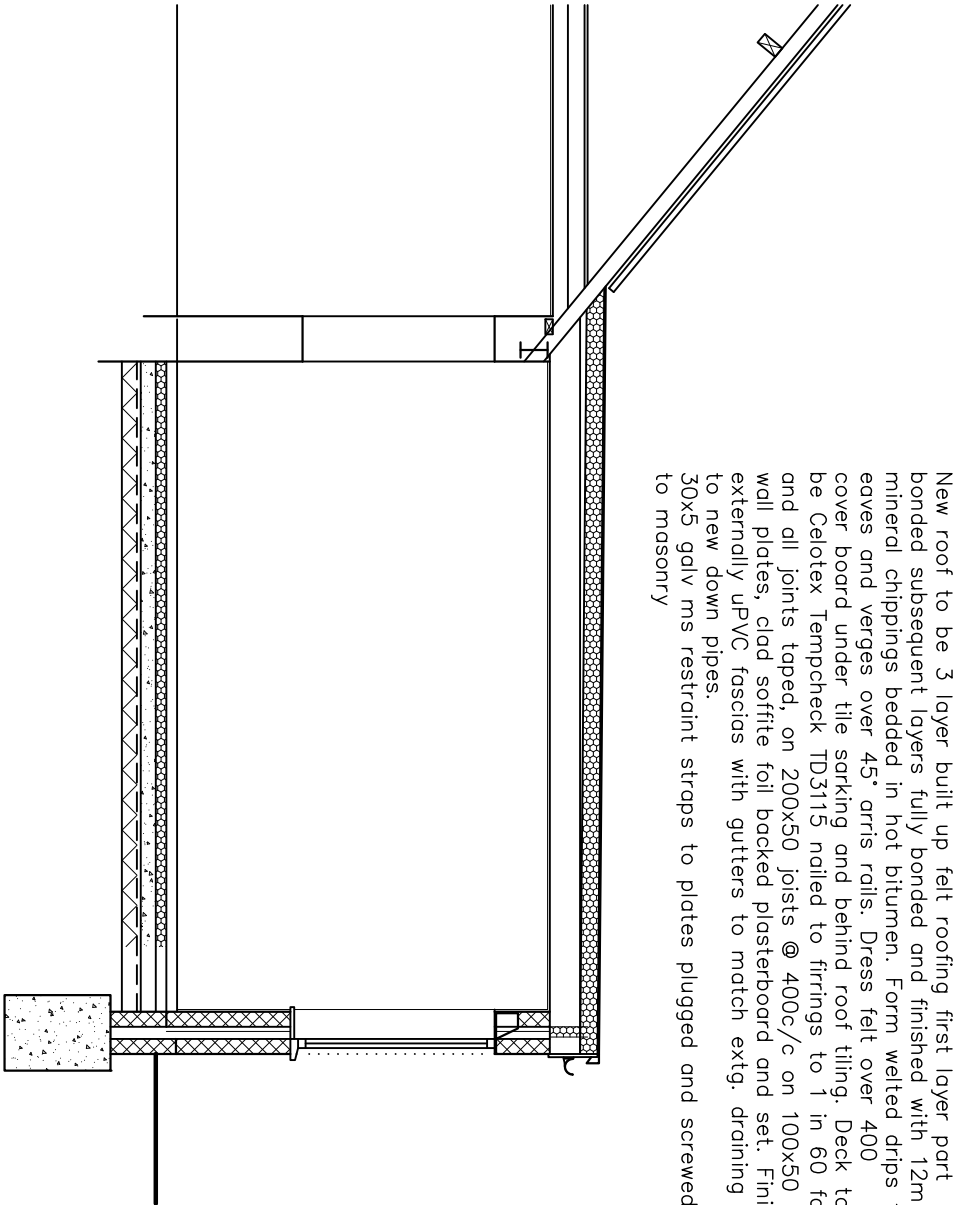


Ensure continuity of insulation envelope through structure at pitched/flat roof whilst maintaining 50mm ventilation clearance under sarking



New roof to be 3 layer built up felt roofing first layer part bonded subsequent layers fully bonded and finished with 12mm mineral chipplings bedded in hot bitumen. Form weltd drips to eaves and verges over 45° arris rails. Dress felt over 400 cover board under tile sarking and behind roof tiling. Deck to be Celotex Tempcheck TD3115 nailed to firrings to 1 in 60 fall and all joints taped, on 200x50 joists @ 400c/c on 100x50 wall plates, clad soffit foil backed plasterboard and set. Finish externally uPVC fascias with gutters to match extg. draining to new down pipes. 50x5 galv ms restraint straps to plates plugged and screwed to masonry

New floor to be 70 cement sand screed reinforced with chicken wire on 500 gauge isolation membrane on Celotex GA3080z polysocynurate insulation on 100mm C15 conc. reinforced A142 fabric over drain runs on 1200 gauge polythene d.p.m. with taped and folded joints and dressed to inner skin d.p.cs' on blinding on min. 125 compacted hardcore.

New 500 wide C10 conc trenchfill foundations 1m deep or as agreed on site to suit conditions found. Ensure footings are below local drain inverts.

Extg air-bricks to be ducted to new external wall with periscope vents

External cavity walls to be finished as described, construction options as general notes. Cavity tied ss wall ties @ 750 c/c horizontally and 450 c/c vertically and staggered with extra to reveals. Close reveals Thermabate or Rockclose cavity closers. Catnic lintols over openings. Cut tooth and bond to extg. to preserve cavity. Bitumenous felt dpc min 150 above ground level, cavity below dpc to be filled lean conc to ground level and struck off at 45°. Plaster internally as general notes. Provide and fix skirtings to match existing.

- Part L 2006
- External wall options to meet U=0.30:
- (1) Face brick, 80 Rockwool cavity batts, 100 ThermaLite Turbo, plasterboard on dabs.
 - (2) Face brick, 90 Rockwool cavity batts, 100 ThermaLite Turbo, 13 lightweight plaster.
 - (3) Face brick, min 50 residual cavity, Celotex GA3045z retained with wall tie clips, 100 ThermaLite Turbo, 13 lightweight plaster.
 - (4) 20 render, 100 ThermaLite Shield, 70 Rockwool cavity batts, 100 ThermaLite Turbo, 13 lightweight plaster.
 - (5) 20 render, 100 ThermaLite Shield, min 50 residual cavity, Celotex GA3035z retained with wall tie clips, 100 ThermaLite Turbo, 13 lightweight plaster.
 - (6) Skellings Celotex GA3050z fixed between rafters, maintaining 50mm min ventilation clearance under sarking, with Celotex GA3065z underlining to all rafters with taped joints and retained with 38x25 battens underlined plasterboard and set.
 - (7) Dormers Celotex GA3050z between studs leaving 50 residual cavity and over boarded GA3030z with all joints taped and clad internally plasterboard and set.
 - (8) Solid brick walls treated 2 coats sythopruffe and clad Celotex GA3060z with all joints taped retained with 38x25 battens and lined plasterboard and set.

1 light fitting per 25m2 of floor area created by the extension to be of efficiency better than 40 lumens per circuit watt. For lounge and bedroom extensions etc. replace existing light fittings in other areas of the dwelling such as hall, bathroom or landing with high efficiency fittings on a pro rata basis.

New windows and doors to be uPvc double glazed with sealed units to give an area weighted average U value of better than 1.8W/m2K. Glazing to doors and other critical areas to BS6206 safety glazing. Windows to bedrooms to be provided with fire escape opening light min 0.33m2 area and min 450 width and height. Provide 8000mm2 or 4000mm2 trickle vents to rooms as appropriate

Expose and examine existing lintols taking additional loads to ascertain suitability, if inadequate replace with Catnic as indicated. Expose foundations of external and internal walls carrying additional loads and report to designer and Building Control

Extend extg plumbing and heating to serve new rooms. Provide certificates to ensure correct installation and commissioning of new gas appliances and pressurised plumbing systems. New and replacement heating systems to be high efficiency condensing boilers, interlocked to shut down if no heat called for, building to be zoned with separate controls and all radiators fitted with TRVs'. Boiler details to be notified to building control prior to installation.

New and replacement electrical systems to be designed, installed and tested all in accordance with BS 7671 (IEE wiring regulations) and to be certified in accordance with one of the competent person's registration schemes. Electrical outlets to be sited between 400 and 1200 above floor level

Fit mains powered smoke alarm to BS5446 in hall

Provide certificate for SC4 timber where specified otherwise all timber SC3

No significant trees affect the works

Amendments: –

Byceson Shaw Associates Surveyors and Designers 2 Wellesley Court, Fitzalan Road, Littlehampton, West Sussex BN17 5JW Tel. & Fax 01903 734381 Mobile: 07889 651301 E-mail: bycesonshaw@btinternet.com			
Project: Proposed rear extension: 19 Jervis Avenue, Rustington BN16 2AU			
Drawing: Proposed section			
FOR: Mr. & Mrs. Jalley			
Drawn:	PKS	Date:	September 2009
Scales:	1:50	No:	939/01/04
To scale when printed on A3			