FIBREGLASS FLAT ROOF 0.15 W/m²K
Flat roof to be a warm roof with fully adhered single ply membrane on 150mm thick Kingspan Thermaroof TR27 LPC/FM on Vapour control barrier on 18mm plywood deck on (170)x47 C24 Timber Joists @400ctrs. built into internal walls or on hangers where reqd. (depth of flat roof joist to suit span)
12.5mm plasterboard with 3mm skim finish
lateral restraint: 30x5mm mild steel straps at 2.0m max centres fixed along joists or perpendicular to joists with 38x150 noggins. Strap taken down cavity by a minimumof 450mm.
Roofing and insulation all bonded in accordance with relevant manufacturers details

PLUMBING
All new soil and vent pipes to be 100mm dia. Upvc fixed with wall brackets at 2.0M centres.
All bends in SVP to be so constructed as to have the largest possible radius of curvature and no change in cross section of the pipe throughout the bend.
New & Existing SVP to discharge to outside air via tile vent or similar approved terminal
Internal S & VP to be boxed in using 50 x 50 s.w. timber framing and 12.5mm plasterboard and skim.
All waste connections to S and VP's to be separated from the 100mm dia. WC. connection by 200mm measured vertically.
Sinks to have 40mm dia. Upvc branch pipes. Lavatory basins to have 32mm wastes up to 1.7 metre length, increased to 40mm up to 3.0 metre lengths. 50mm wastes over 3.0m
Hot and cold water to all sinks & whb's
All earthing of pipework is to be concealed.
All sanitary fittings to be individually trapped with 75mm deep seal traps.
Stub vent pipes to be fitted with air admittance valve above the spillover level of the highest appliance connected to it.
The boxing to the stub pipe to have an air vent grille at high level.
Hot water to bath to be limited to 48degrees C by use of in line blending valve to comply with the requirements of BS EN1111:1999

Anti-syphon traps to BS 3943 into soil vent pipe or air attaining value as indicated. No branch to discharge into SVP lower than 450mm above invert of tail of the bend at the base of the stack.

Access plate to be provided at the base of each tack immediately above FFL min 200mm bend at the base.

ALL WATER INLETS AND DRAINAGE, AS WELL AS POSITIONS OF NEW OR RELOCATED MANHOLES TO BE AGREED WITH THE BUILDER ON SITE

DRAINAGE
New 100mm drain system constructed in plastics.
Drain to be protected with 75mm concrete slab laid to the full width of the trench 150mm above the pipe where less than 600mm of cover.
All drains to be surrounded by pea gravel.
Concrete lintels provided to both leaves of external walls and internal wall where drains pass through. 50mm space all round drainpipe with masking both sides of 9mm Supalux board.
All drainage laid in accordance with BS.8301.

RAINWATER
All rainwater gutters, downpipes etc., to be black Upvc and to discharge via trapped access gullies to a suitably sized soakaway

MANHOLE
Existing Mahole to be moved and redirected
For depths of over 900 mm to be constructed in Class B engineering brickwork, min wall thickness 225 mm, and flush pointed internally.
Base slab to be 150 mm thick concrete. Benching channel to be 30 degrees and topped with monolithic render (1:1 mortar).
Back filling to chamber should not be carried out until 48 hours after construction and hand packed with selected hard material.
Manholes deeper than 1.0 m to be fitted with iron steps set at 300 mm apart vertically and 200 mm apart horizontally.
Inspection chambers 900mm deep max to be Hepworth or similar 450mm dia polyproylene fitted in accordance with the manufacturers details and instructions

MASONRY CAVITY WALL
Flat Roof Parapet: Insulation above Joists.
External wall to meet min. U-Value 0.18W/m²K.
Flat roof to meet min. U-Value 0.11W/m²K.
Insulation thickness adjustable according to insulation
specification and project requirements. Typical flat roof to parapet detail shown.

COMMISSIONING
Upon completion of the works the builder is required to issue to the building inspector a notice confirming that the fixed building services have been commissioned in accordance with a procedure approved by the secretary of state.
A set of operating and maintenance instructions should be left for the occupier.

ALL DIMS IN MILLIMETERS UNLESS NOTED OTHERWISE
DO NOT SCALE EXCEPT FOR PLANNING PURPOSES
IF IN DOUBT - ASK

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