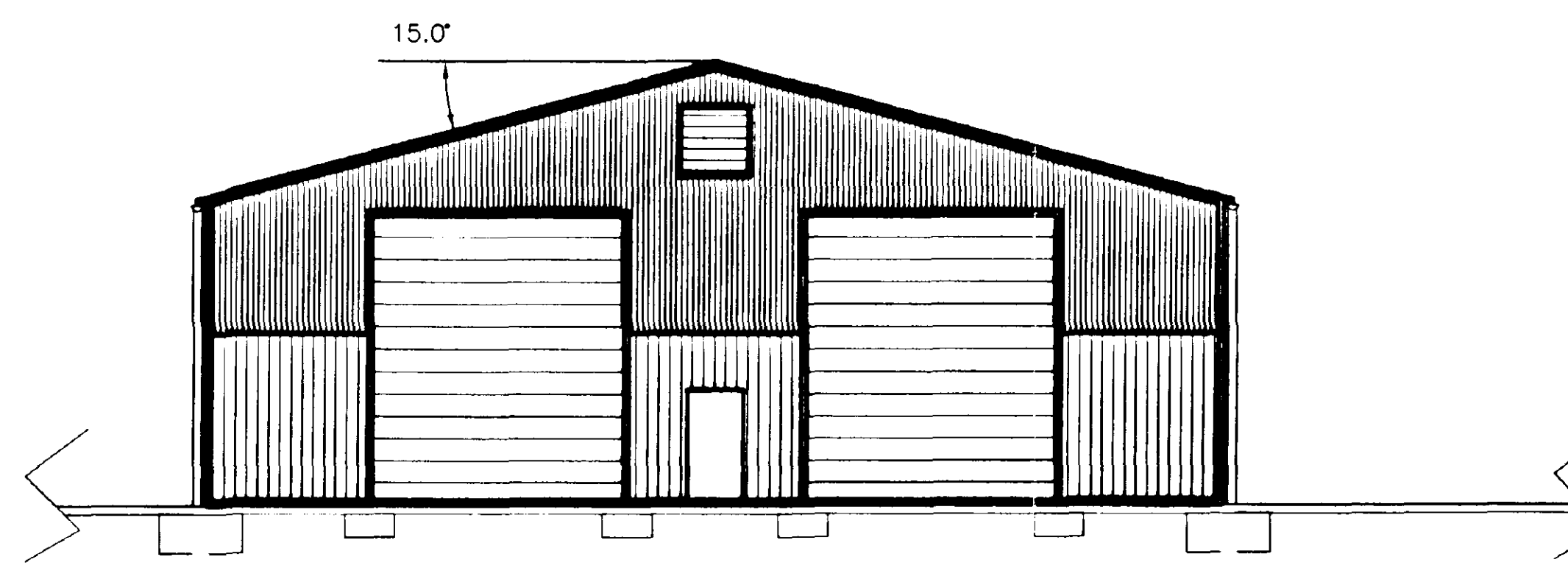
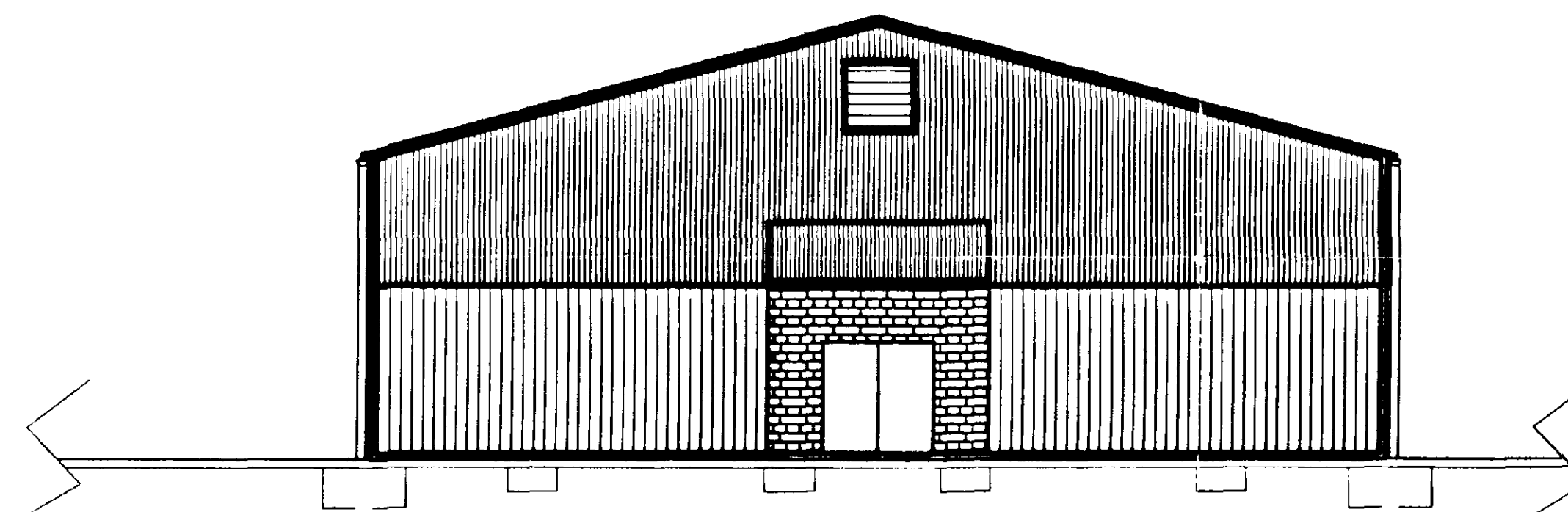
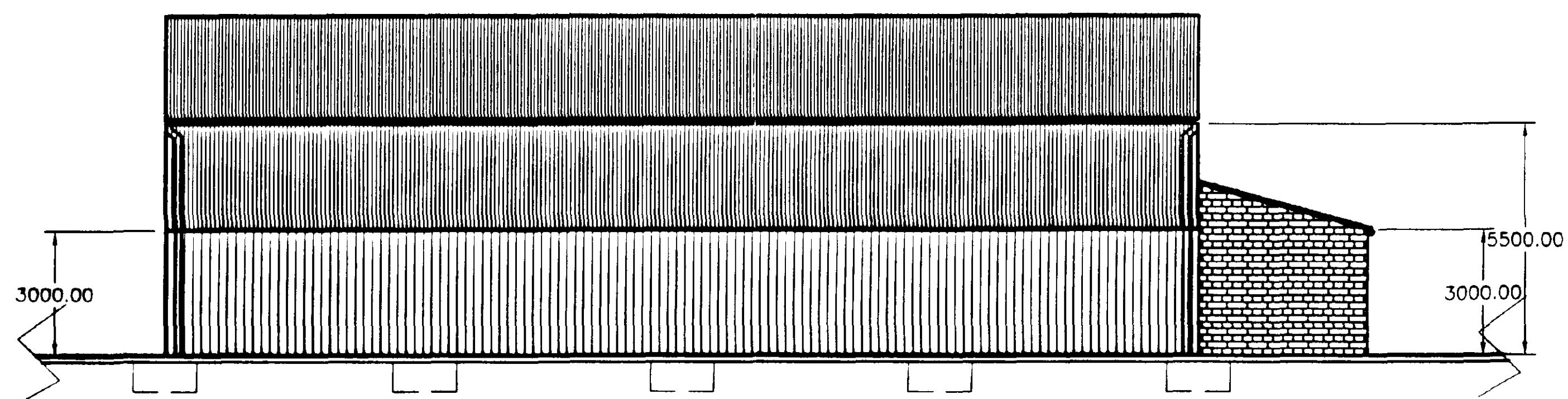
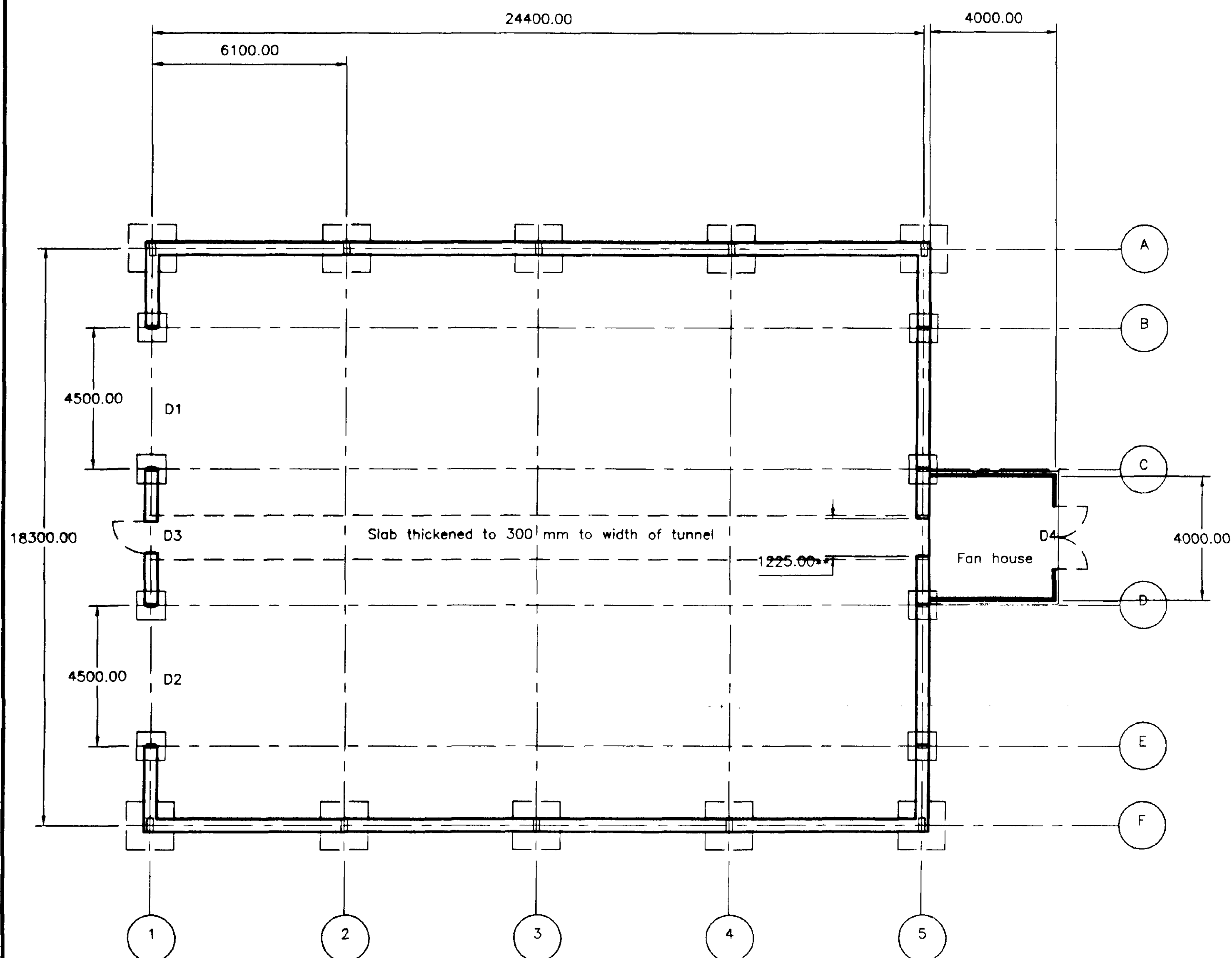




NOTES

** Check dimension to suit air tunnel.

Frame
Steel portal frame finished in hot dip galvanising.
18.3m span inside columns.
6.1m bay spacing. 5.5m eaves.

Cladding
Steel thrust walling, bottom 150mm painted with bitumastic paint. Storage depth 3.0m level fill.
Walls in Eternit big 6 profile fibre cement, natural finish. Overlap with thrust panels 150 mm minimum.
Roof, gutters and downspouts fibre cement, natural finish.

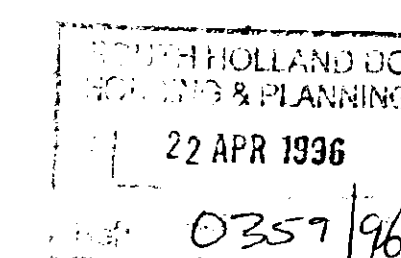
Fan House
Nominal 4.0m x 4.0m, size to be confirmed with Ventilation Contractor to suit required equipment. Construction in concrete blocks with fibre cement roof.

Floor
To suit wooden ventilation floor. 150mm thick, reinforced slab 300mm thick beneath tunnel in RC30 mix with de-bonded bars in expansion joints. To include one layer A242 mesh on cradles to give min 50mm cover.

Doors
D1 & D2 electric operated rolling shutters. 4.5 m opening to maximum eaves height. D3, D4 & D5 all timber, locking personnel doors.

Gable Vents
In each gable end. Each to give 2.2 sqm free area. Covered with bird proof mesh. Construction of fixed louvres in timber or galv. steel.

Fan House Inlet
Fixed timber louver to give 2.2 sqm free area. Supplied and installed by Building Contractor fitted with bird/vermin proof mesh.



revisions

ORIGINAL	26/3/96
1	10/4/96

job title
GEORGE THOMPSON FARMS
Grove Farm
Holbeach Hurn
Spalding, Lincs

drawing title
New Grain Drier/Store
General Layout & Elevations

drawing number
GTF02-01

scale
1=100

drawn
FGW



ADAS Lincoln
Ceres House
2, Searby Road
Lincoln. LN2 4DW
Tel. 01522 535151

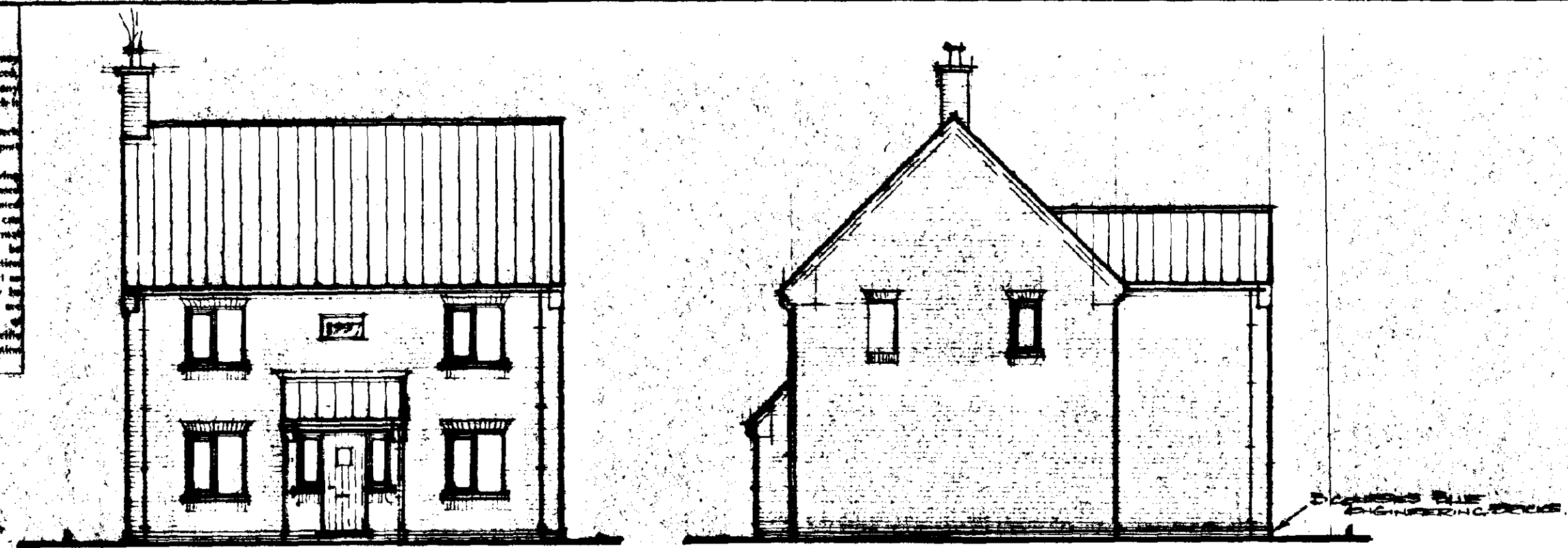
DETERMINED
PLAN

DO NOT SCALE FROM THIS DRAWING

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The General Contractor is to check all dimensions on site and report discrepancies to the Architect.

All details shown on this drawing including specifications are based upon typical site conditions relevant to the area. No responsibility can be accepted for omissions or variations which may be discovered during construction unless reported to the Architect so that design amendments may be considered. Site soil surveys are recommended in respect of foundations to establish specific site conditions before foundation work is undertaken.



FRONT

SIDE

UNDERGROUND DRAINAGE

110mm UPVC pipe to fall 1:80 with 100mm peagravel bed and surround. Inspection chambers to be 450mm dia preformed plastic installed to manufacturers instructions complete with cover and frame. 450mm dia inspection chambers not to exceed 1m below ground level. Back inlet gullies to be of the roddable type. Drain runs with less than 300mm ground cover so have paving slab protection over trench on top of peagravel, omit where concrete path east over pipe runs, where drains pass under driveways protect in a similar manner. Where drains pass through cavity walls support over each leaf with precast concrete lintel and provide 50mm space all round the pipe, mask opening both sides with rigid sheet material to prevent entry of fill or vermin. (Reg H1-A14. Diagram A1.)

RAINWATER GOODS

PVC gutters 115mm hr and 68mm dia down pipes to match including all bends outlets, clips, brackets, connectors etc and connect to underground drain to soakaway.

SOAKAWAYS

To be a minimum 5.0 metres from any building and to be 1 cu.m. rubble filled with inlet pipe discharging to centre of soakaway.

PLASTERWORK

Walls to be plastered cement:lime:sand render with skim finish a total of 13mm thick including reveals and lintel soffits.

SKIRTING AND ARCHITRAVES

HOT WATER AND HEATING ETC

Install hot water and heating pipework to provide hot and cold water supplied to all new appliances in the building and provide space heating to all new areas. Radiator positions to be as directed, all radiators to be fitted with thermostatic valves. Heating controls: Honeywell room stat, Honeywell cylinder stat and Honeywell programmer - S Plan system.

ELECTRICAL INSTALLATION

All work to be carried out in accordance with the latest I.E.E. Regulations. Extend electrical circuits from consumer unit in ring mains and install lighting and power points in position as directed.

WALL TILING

Provide and fix in new Bathroom to walls and window cill, Kitchen window cill and over work tops, ceramic wall tiles with waterproof fix and grout. Tiles to be selected and areas to be tiled to be determined later.

DECORATION

Allow for decorating all new surfaces, ensure full and proper preparation of all surfaces in accordance with the coating manufacturers specification.

PROTECTED GLAZING AREAS

Provide toughened glass to BS:6206, 1981 to following areas. To all windows within 800 of finished floor level. To all door glazing within 1500 of finished floor level. This applies to side screens also within 300 of door. Protected

ROOF CONSTRUCTION

Roofs to be constructed in accordance with and to the sizes shown on the drawings. All timbers to be G.S. grade softwood properly seasoned and to an acceptable moisture content for carcassing timber where traditional roof. Where trussed rafters adopted they shall be of an approved manufacturer and designed, assembled, erected and braced in accordance with B.S. 5268, Part 3, 1985.

ROOF COVERINGS

Concrete interlocking tiles, to be fixed in accordance with the manufacturers instructions and BS 5534 Pt 1, 1978. Battens 38 x 25 at gauge centres on untearable Type 1F sarking felt with minimum 150mm laps.

LATERAL RESTRAINT STRAPPING

Provide and fix 30mm x 5mm patent galvanised mild steel straps at 1.8 metre centres to anchor wallplate to blockwork walling, ceiling joists and rafter levels where they run parallel to walls. Solid strut below the straps and tight pack against the walls.

INSULATION

Lay 200mm FIBREGLASS, 100mm between joists and 100mm over joists, maintain minimum 50mm gap between top of insulation and sarking felt where insulation runs up to roof slope.

ROOF VENTILATION

6mm plywood with 12mm continuous gap as soffit board. Provide fine mesh flyproof screen to ventilation gap.

CEILINGS

Provide and fix 12.7mm GYPROC Wallboard to all new ceilings. Nog all perimeters and board joints prior to fixing plasterboard to fully support sheeting. Fix GYPROC coving and ARTEX finish to ceiling.

GROUND FLOOR

65mm mortar screed reinforced with chicken wire on 500 gauge polythene separating layer on 30mm Jablite (or similar) polystyrene insulation on 100mm thick ST4 concrete sub-floor on 1200 gauge DPM lapped with DPC in walls. 150mm min hardcore, blinded and compacted. Excavate oversite to 100mm deep to remove topsoil of vegetation.

WALLS

Cavity work to be 265mm overall width comprising 100mm clay facing bricks, 65mm cavity filled with CROWN DRITHERM fibreglass insulation batts, 100mm load bearing "Tarmac Topblock" insulation blocks. Internal partitions to be in 100mm blockwork walling. Wall ties in cavity walling to be stout galvanised wire butterfly type at 900mm centres horizontally and 450mm centres vertically every alternate tie course to be staggered 450mm. At openings provide ties at 225mm centres vertically within 225mm of the openings.

SUB STRUCTURE WALLS

To be in TYPE A dense aggregate concrete blockwork up to ground level. Cavity to be filled with lean mix concrete.

LINTELS