

410/93

**FOUNDATIONS** - 200/20mm concrete, minimum cement content 330 kg/m<sup>3</sup>, 600 wide x 750 deep to a minimum depth of 1m below ground level.

**FOOTINGS** - 270mm cavity construction comprising 2 skins with flatiron brickwork internally and facing brickwork externally up to 500 level, with cavity filled to ground level with weak concrete 70/90m, 200m aggregate.

**OVERSITE** - 200mm minimum well consolidated hardcore of crushed concrete or other approved material to pass a 100mm dia. ring, with 25mm layer of building sand plate vibrated, 1000 g/m<sup>2</sup> polythene 500g.

oversite concrete slab incorporating reinforcing mesh A12 to BS4443. Expansion joints to be provided at 12m intervals.

**SUPERSTRUCTURE** - External walls - 270mm cavity construction of 102mm facing brickwork, 150mm cavity incorporating 65mm Rockwool cavity wall batts, 100mm min. 3.5N/m<sup>3</sup> insulating blockwork inner skin all fixed with galvanneal wall ties to BS1243. OPC's - horizontal, vertical & cavity trays to BS743. Stepped cavity trays to be TMBDC V3. Flashings - to be code 4 to BS578. Wall plates - 100 x 50 untreated softwood wall plates bedded to walls & fixed with 30 x 5 section galvanneal n/a restraint straps, 100 long once bent and plugged and screwed to walls of max 2M centres. Internal walls - timber stud partition walling with 12.5mm Gyproc plasterboard both sides, and incorporating sound deadening insulation, to provide a sound attenuation level of not less than 45dB.

Ventilation - mechanical to kitchen to provide 60 l/s to shower areas to provide 15 l/s to w.c.'s to provide 3 air changes per hour.

**ROOF STRUCTURE** - Contractor Designed roof construction to include for the design of the roof structure to BS5268 parts 2, 3, & 7, with all treated rafters, prefabricated or in situ parties, lattice beams, rafters, joists, binders etc. as described in the Contract Specification and treated to BS5268 Part 5.

Roof cladding to be galvanneal steel profiled roofing sheets, Econalite by Trelora, to pitch of 17.5°, on Monarflex or similar approved permeable weather membrane underlay fixed in accordance with manufacturers' instructions.

Roof ventilation - Dimple D - 300 circular soffit vents with D - 500 cross-flow ventilation units at eaves level. Roof insulation to be 150mm Rockwool quilt - ceilings to be 12.5mm Gyproc Duplex plasterboard.

**DRAINAGE** - Soil and vent pipes - Header on similar 100 dia. uPVC stacks designed in accordance with BS5722 & BS0 82. Sewalways - 100 dia. flexible jointed stormwater Hopperwell Superseve pipes laid at min. 1 in 40 to soakaway to dia. x in deep below invert of incoming pipe and filled with hardcore. Top of soakaway to be covered with polythene 450 below finished ground level. Surface water drainage - 50 dia. Superseve pipes laid on a bed & supported at 12 gauge steel slings. Gullies - gullies and frames to conform with Table 8 of BS497 part 1 ref. GB-150 and bedded on min. 2 cases of semi-impervious blockwork (Class B on a 450 dia. uncast concrete trapped street gully pit conforming to BS5911 bed & surround to 150 CPIS concrete. Hopperwell or similar gullies with 475 downpipes to discharge into Superseve stormwater rest bend ref 19 complete with rainwater adaptor ref. AD250 & rodding access ref. 19 with necessary raising pieces ref. 200 and with galvanneal sealing plate ref. 1907. Soil & vent pipes to terminate 900 mm above any opening within 3M Dargo or similar air admittance valve to terminate in roofspace. Drainage runs below building to be 'tied' to the satisfaction of the local authority Building Control officer. Drains passing through foundations are to be sleeved. Above ground drainage - uPVC wastes and soil stacks; 100 diameter. 100mm wastes to w.c.'s, 50mm wastes to washbasins & urinals, 100mm floor drain & wastes to showers (50mm for cubicle showers) 75mm deep seal traps. All sanitary fittings to have separate stack connections. Mechanical services ducts to be designed and submitted for approval prior to commencement.

**NOTES**

THE DIMENSIONS GIVEN ON THE LAYOUT PLAN SHOWN MAY BE ADJUSTED WITHIN REASON TO SUIT A BUILDING SYSTEM; HOWEVER, ANY ALTERATIONS MADE MUST TAKE INTO ACCOUNT ANY OTHER ASPECTS AFFECTED, AND DETAILS MUST BE SUBMITTED TO THE SUPERVISING OFFICER FOR APPROVAL BEFORE WORK PROCEEDS.

- LEGEND**
- PROPOSED POSITION OF CONVEYORS
  - POSITION OF FAN CONVEYORS
  - FIRE EXTINGUISHERS - WATER
  - FIRE EXTINGUISHERS - CO 2
  - FIRE BLANKET
  - FIRE BLANKET (SPECIFIC TO BS 5742)
  - FIRE SAFETY 20425 TO BS 5299
  - TOWN SUPERVA BEARHEAD LIGHT FITTING
  - STANDARD BATTERY HOLDER LIGHT FITTING
  - TOWN PARKING BEARHEAD LIGHT FITTING
  - TOWN PARKING PACK FLUORESCENT LIGHT
  - TOWN OVERALL SPOTLIGHTS OVER BAR
  - 100 POWER POINT OR TYPED SPIN
  - 484 COASTER CONTROL UNIT
  - TV/FM AERIAL OUTLET TO AERIAL ON ROOF
  - FIRE ALARM CALL POINT
  - FIRE ALARM SOUNDER
  - DISTRIBUTION BOARD
  - 24 HR 7 DAY LIGHTING TRIP CONTROL
  - 1 WAY LIGHT SWITCH
  - FAN COORD LIGHT SWITCH
  - VENT-AREA SILENCE EXTRACTOR FAN & CONTROLLER
  - VENT-AREA TO EXTRACTOR FAN & CONTROLLER
  - HANDLE LOCK-WENT BY FAN SWITCHES BY LIGHT

**AMENDMENTS**

D SHAPING ELECTS. ALTERED & LOBBY REMOVED  
 C SHAPING ELECTRICAL FIXTURES ETC. AMEND  
 BY A FINE LAYOUT REDESIGNED FOR PLANNING APPROVAL

**SOUTH BUCKS DISTRICT COUNCIL**

IVER HEATH PLAYING FIELDS  
 REDEVELOPMENT OF  
 SPORTS PAVILIONS  
 PROPOSED LAYOUT OF  
 BOWLS CLUB PAVILION

SCALE: 1:50 DATE: APRIL 1994  
 DRAWN BY: JMS  
 CHECKED BY: R GILL

R GILL  
 B.Sc.Eng. F.I.C.E. F.I.H.T.  
 CHIEF TECHNICAL OFFICER

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 DRAWING No. 2624 / 8/D

