



(N.T.S.)

SCALE BAR



Lighting and Power

Al wiring to be contained in surface mounted high impact PVC conduit and sourced from a quality manufacturer. Al accessories to be meta-clad and sourced from a quality manufacturer e.g. MEM or MK.

The consumer unit will be single phase with a 100amp main switch, MCB outgoing circuits consumer unit to be 5-way and labelled to identify circuits. It shall be mounted 1200mm above finished floor level and sourced from a quality manufacturer. MCBs fitted to the consumer unit will comprise: Lighting 6amp. Each socket circuit 20amp. All MCBs shall be to BS EN 60898 Type B. The supply to the consumer unit and selection of conductors will be designed to provide a minimum capacity of 32amps.

Lighting shall comprise 5 wall mounted bulkhead bayonet fittings to take 100w equivalent bulb. The light switch shall be positioned adjacent to the 'first leaf opening' door, be surface mounted at 1200mm to centre above finished floor level and contain an illuminated locator.

One 13amp socket outlet with integral 30mA RCD protection will be provided for use with portable tools and equipment with consideration given to the mounting position. This socket shall have a neon indicator labelled 'test equipment only' (Radial circuit) sockets shall be metal-clad type, comply with BS 1363 and be wall mounted adjacent to each other at a height of 450mm above ground level.

AI wiring shall comply with BS:7671 Requirements for electrical installation (IEE Wiring regulations 17th Edition) January 2008.

APPROVED SUPPLIERS

GTC APPROVED - GRP SUBSTATION DOORS, STEEL VENTILATORS AND GRP TRENCH COVERS
WOLSELEY (FORMALLY UTILITY POWER SYSTEMS) CARWOOD ROAD, CHESTERFIELD TRADING
ESTATE, CHESTERFIELD, DERBYSHIRE, S41 9QB
Tel: 0344 251 1666
Fax: 01246 455915
Email: sales@utilitypowersystems.co.uk

GTC APPROVED - STEEL DOORS AND VENTILATORS AND GRP TRENCH COVERS:
SUNRAY ENGINEERING LTD. KINGSNORTH INDUSTRIAL ESTATE, WOOTON ROAD, ASHFORD
KENT, TN23 6LL
Tel: 01233 639039
Fax: 01233 625137
Email: sales@sunraydoors.co.uk

GTC APPROVED - STEEL DOORS AND VENTILATORS:
BRADBURY ENGINEERING, DUNLOP WAY, QUEENSWAY INDUSTRIAL ESTATE, SCUNTHORPE.

General Notes

- 1 This drawing is to be read in conjunction with all relevant architect's and mechanical and electrical engineer's drawings, specifications etc.
- 2 All dimensions are in millimetres unless otherwise stated.
- 3 Any discrepancies, contradictions to be notified to project architect/engineer.
- 4 Concrete
- 5 Reinforcement is to be in accordance with the specification and and the relevant code crushing strength at 28 days.
- 6 Foundations (Concrete 30N/mm² 28 days cure strength)
- 7 Foundations are to be cast in accordance with the design drawings that provide the required minimum design sound bearing capacity.
- 8 Floor (Concrete 30N/mm² 28 day cure strength).
- 9 Foundations are to be cast in accordance with the specification for installation of plant.
- 10 Tolerance to finished level expressed as a maximum permissible deviation between a straight edge with feet placed anywhere on the floor shall not exceed 1mm in any 3m or 3m² area.
- 11 Foundations to be cast in accordance with the specification, prepared and painted with 2No. coats of non-slip floor paint on completion.
- 12 Brickwork
- 13 All brickwork below D.P. level to be H.D. quality, min. 75N/mm² mean compressive strength and max 7% M.A, and durability designation F2 S2 (C-Engineered brickwork class B) in English bond except for exposed faces
- 14 All brickwork above D.P. level to be H.D. quality, min. 30N/mm² mean compressive strength, maximum 12% M.A, and durability designation F1 S1 or better.
- 15 Internal bricks to be face faced smooth tumbled solid concrete facing bricks, size to meet 1mm in any 3m or 3m² area with a mean compressive strength of not less than 30N/mm² class II mortar.
- 16 Walls
- 17 All walls of collar jointed double duty's stretcher walls to be tied together by means of 4mm min diameter stainless steel double length ties (or better) laid in every 4th course at 375mm centres and set back 30mm from outer face, ties are to be welded to the wall face and the collar joint to be welded to the contractor shall confirm by structural design calculation to satisfaction of energy networks that the proposed cavity wall panel construction has equivalent lateral strength or stiffness to that required for the wall (i.e. no less than the equivalent of either stainless steel reinforcement system).
- 18 Roof
- 19 All external faces of concrete to be face faced. All external faces to be cured, prepared, primed and finished with a top coat high performance (Aliphatic) polyurethane waterproofing system (flat roof grade) with glass fibre mat reinforcement to initial coat.
- 20 1No. coat of L.P.L. bonding primer then
2No. coats of L.P.L. Decolourant
or equivalent system
- 21 All fixtures to be applied strictly in accordance with the manufacturers recommendations. Where a superimposed pitched roof is proposed, the concrete sub- roof shall have a waterproof coating and provision must be made for drainage from the roof to the ground level. The contractor shall be permitted to. All proposals regarding construction of the pitched roof must be submitted to energy networks for comment before work commences.
- 22 Ventilation opening sizes shall be in accordance with the specification at a minimum 550 x 750mm. Typical ventilation indicated may not be adequate in certain supply conditions which might require additional or alternative ventilation.
- 23 Foundation and floor layout details indicated are typical for substitution buildings housing indoor equipment which will not therefore be applicable to all buildings.

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