

RODE\_CONSTRUCTION

1. BLUE/BLUCK 'TRUITONE' CEMENT FIBRE SLATES, ON 50x38mm TANALISED SOFTWOOD BATTENS, ON LINITARABLE SARKING FELT (TO 1.S.36) LAPPED MIN 100mm HORIZOMTALLY, ON PREFABRICATED ROOF TRUSSES (DESIGNED AND FABRICATED IN ACCORDANCE WITH IS 193 OR BS 5268).

2. 300mm FIBREGLASS INCLUTION IN BETWEEN TRUSSES.

3. 1007/75mm TIMBER WALL PLATE, STRAPPED TO WALL WITH GALVI STRAP 750MM LONG MINIMUM AT 1.2m CENTRES.

4. 30x5mm GABLE RESTRANT STRAPS AT 1.2m CENTRES.

5. 75x30mm TIMBER SOFTI BEARERS TO EVERY TRUSS; INCLUDING PVC VENTILATED SOFFIT AND FASCIA FIXED TO 150x19mm BOARD.

- WALL CONSTRUCTION

  1. 100mm SOLID BLOCK OUTER LEAF, 100mm CAMTY WITH 60mm KINGSPAN THERMAWALL TWSO INSULATION, 215mm SOLID BLOCK INNER LEAF.

  2. MINIMUM CHARACTERISTIC BLOCK STERKOHT TO BE 7.5M, pm. 71 DE S528. MORTAR TO BE CLASS (M6).

  3. S/S CAMTY WALL TES Ø MAX 750mm HORIZONTALLY AND 450mm VERTICALLY. ADDITIONAL TIES AT 225mm VERTICAL CENTRES AT 0FES.

  4. MASS COKCRETE CAMTY FILL TO 225mm BLOWD 1.PC. 6.

  5. PRECAST LIMTELS OVER ALL OPENINSS U.N.O. MINIMUM BEARING 150mm. EACH SIDE OF OPE FOR TWO COURSES.

  1. LAPS IN DPGS 10 BE A MINIMUM OF 225mm AND ARE TO BE SEALED WITH AN APPROVED BITUMINOUS WAITER PROOFING COMPOUND.

  1. DPGS 194L BE CONTINUOUS WITH OR SEALED TO THE DPW/RADON OF THE FLOOR AND SHALL CONFORM TO IS 57:1987.

- FLORE CONSTRUCTION:

  1. 150mm RC FLORE SLAB (C28/35) (CLASS U3 FINISH) WITH A393 MESH 10P (40mm COVER) & A393 MESH 5DITTOM (50mm COVER), ON HIGH DENSITY KINGSPAN INSULATION (70mm KINGSPAN THERMAFLOOR 1770, OR SMILLAR) ON MONARFLEX RIMBHO RADON BARRIER, OR EQUINALENT ON 50mm SAND BURDING ON 250mm COMPACTED 10-50mm STONE WITH NO FIRES, IN LAYERS NOT EXCEEDING 150mm, WITH 8Nb. PASSES OF 1800kg/m² VIBRATING—PLATE COMPACTOR). RADON BARRIERS LAPPED AND SEALED IN ACCORDING WITH MANUFACTURER'S INSTRUCTIONS.

  2. PROVIDE TING. RADON SUMP PER 200m² WITH #110mm UPVC DISTRIBUTION PIPES FALLING TOWARDS THE SUMP UNIT, CAPPED AND SEALED EXTERNAL TO THE BUILDING 150mm ABOVE GROUND LEVEL.

- FOUNDATION CONSTRUCTION

  1. GRADE C28/35 CONCRETE.
  2. A333 MESH TOP AND BOTTOM WITH 50mm COVER.
  3. STRIP FOUNDATION DIMENSIONS AS PER SECTIONS.
  4. PROVIDE MINIMUM 50mm CONCRETE BLINDING (C16/20) UNDER FOUNDATIONS TO FIRM STRATA TO THE ENGNEER'S SATISFACTION.

- DEC'S:

  TO BE PROVIDED AS FOLLOWS:

  1. AT BASE OF ALL WALLS OR PIERS (EXCEPT RETAINING WALLS)

  2. DPC TO OUTERLEAT TO BE ABOVE FINISHED PATH/FOROUND LEVEL.

  3. UNDER ALL COPINCS AND CHINNEY COPS.

  4. AT JAMES AND HEADS OF OPENINGS. ELSEWHERE WHERE CANTY IS BRIDGED, ALL HERIZONIAL DPC'S TO BE STEPPED OUTWARDS SO AS TO DISCHARGE MOISTURE EXTERNALLY. OMIT WHERE HEAD IS PROTECTED BY EAVES OVERHAMS.

VENTILATION:
VENTILATION IN ACCORDANCE WITH THE BUILDING REGULATIONS

CONTINUOUS VENTILATION STRIP TO BE PROVIDED TO SOFFIT FOR VENTILATION OF ROOF SPACE.

NOTE: ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING REQULATIONS 1997 OR ANY AMENDMENT OF THE REGULATIONS CURRENT AT CONSTRUCTION TIME.

ALL DIMENSIONS ARE IN MILLIMETERS U.N.O.

AXIMUM AVERAGE ELEMENTAL U-VALUES (W/m²K) FOR	
BUILDINGS & EXTENSIONS	
ABRIC ELEMENT	U-VALUE (W/m²K)
TCHED ROOF, INSULATION	0.16
ORIZONTAL AT CEILING.	
TCHED ROOF, INSULATION	0.20
N SLOPE.	
AT ROOF.	0.22
CTERNAL WALLS.	0.27
ROUND FLOORS.	0.25
THER EXPOSED FLOORS.	0.25
CTERNAL PERSONNEL	2.20
INDOWS AND ROOF LIGHTS.	
EHICLE ACCESS AND	1.5
MILAR LARGE DOORS	



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tev. Date By Amendments

BARNESMORE WINDFARM REPOWERING

PROPOSED IPP CONTROL BUILDING SECTION

FIGURE 2.12(c)

Issue Details Office Use Only Designed: JOD 5952-800-814 Drawn: AMcC Approval Checked: S.M. Tender Approved: D.K. Construction 30/10/2019 Scale: 1:100 (A3) Record