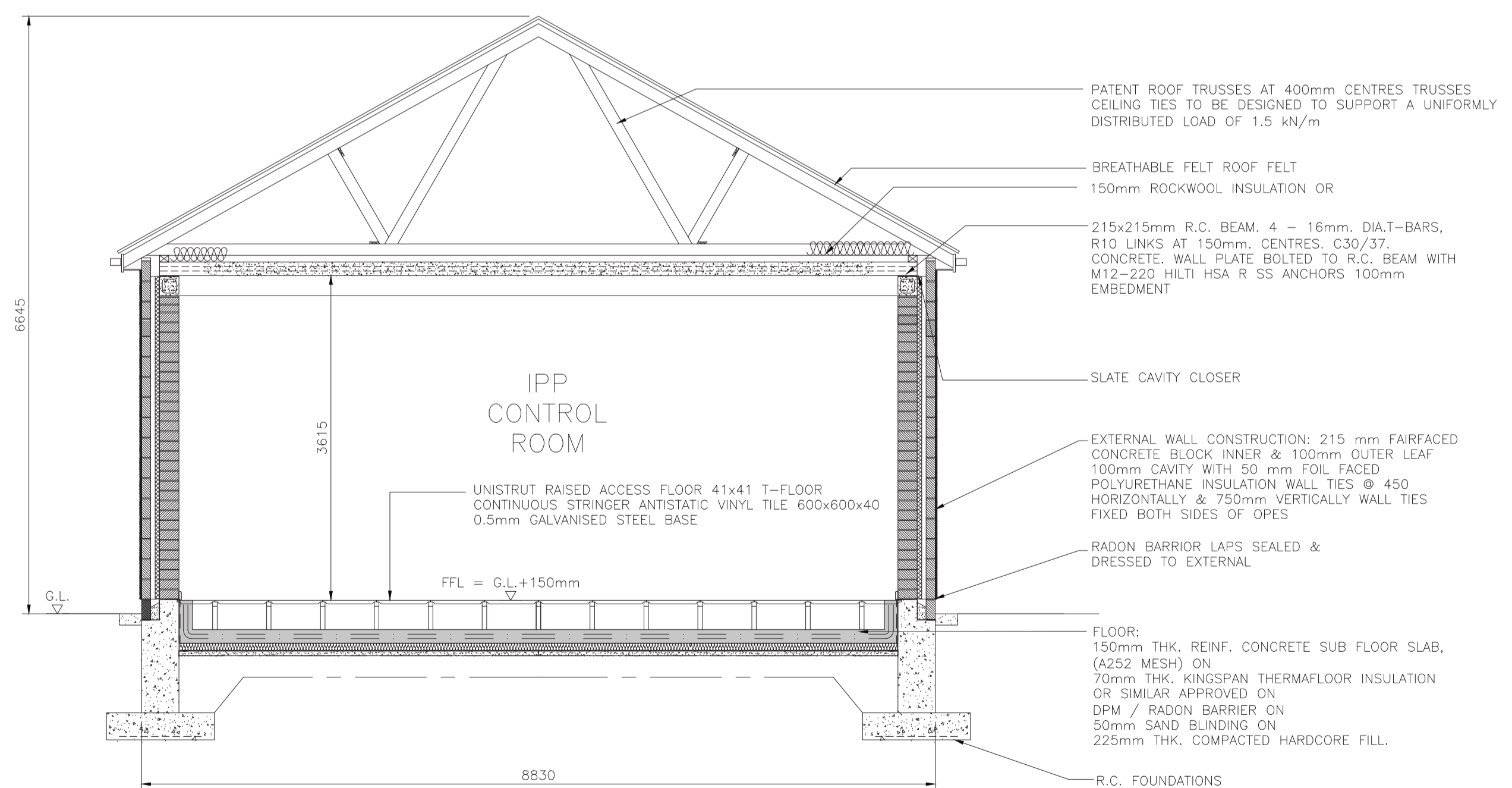


PLAN AT FLOOR LEVEL
SCALE 1:50



SECTION A
SCALE 1:50

NOTES:

- DRAINAGE:**
1. TO COMPLY TO BUILDING REGULATIONS 1997, PART H AND TO CONFORM TO ALL RELEVANT B.S.'s.
2. ALL WATER PIPES TO BE INSULATED IN 19mm 'ARMAFLEX'. PROVIDE CWST.
3. MIN. COVER TO TOP OF PIPES TO BE 750mm UNDER ROADS. ALL PIPES WITH LESS THAN 750 COVER UNDER ROADS TO BE SURROUNDED IN MIN 150mm CONC.
4. PIPES TO BE WRAPPED IN POLYTHENE TO ALLOW FOR MOVEMENT.
5. WHERE PIPES PASS THROUGH WALLS, A 75mm P.C. UNTEL TO BE PLACED OVER OPENING & THE PIPE TO BE WRAPPED IN COMPRESSIBLE MATERIAL & SURROUNDED IN MIN. 150mm CONC.
6. MANHOLE COVERS TO BE HEAVY DUTY IN VEHICULAR AREAS ALL DRAINS & MANHOLES TO BE LEFT OPEN FOR INSPECTION & BUILDING CONTROL APPROVAL.
- FOUNDATION SLAB:**
300mm C30/37 CONCRETE SLAB WITH A393 MESH TOP & BOTTOM WITH 400mm LAPS, 50mm COVER, H16 @ 200mm CTRS. TO LAP WITH MESH TO FORM WALLS OF DEEPER SECTION.
- GROUND FLOOR:**
200mm CONCRETE SLAB WITH A393 MESH, 400mm LAPS, 50mm COVER. POWER FLOATED FINISH 2x COATS FLOOR PAINT, 50mm FOIL FACED POLYURETHANE INSULATION, PATENT RADON BARRIER / DPM TO MANUFACTURER'S SPECIFICATION. DPM TO LAP WITH ALL DPC'S IN WALLS.
- RING BEAM:**
215x215mm C30/37 CONCRETE WITH 4 H16 STRAIGHTS & H12 LINKS @ 200mm CTRS., 50mm COVER CAVITY WALLS.
- OUTER LEAF:** 100mm CONC. BLOCKWORK RENDERED IN MIN. 20mm SILVER SAND RENDER.
INNER LEAF: 215mm CONC. BLOCKWORK FAIR-FACED PAINTED WITH 3 COATS EMULSION FINISH.
CAVITY: 100mm TO BE INSULATED WITH 'PILKINGTON'S' OR OTHER EQUAL & APPROVED 60mm HD INSULATION, TO ACHIEVE 0.3'U' VALUE AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
WALL OPENINGS: PROVIDE HORIZONTAL & VERTICAL RUBBEROID - HYLOD' DPC'S TO ALL HEADS, CILLS, JAMBS ETC. PROVIDE 25mm POLYSTYRENE INSULATION TO ALL HEADS, JAMBS AND CILLS.
WALL TIES: TO BE 225mm 'VISTAFIX' VERTICAL TWIST STAINLESS STEEL TYPE. SPACINGS TO BE 750mm CTS HORIZONTALLY & 450mm CTS. VERTICALLY, INCREASED TO 225mm AT JAMBS.
DRAWPITS:
DRAWPITS TO BE CONSTRUCTED WITH REINFORCED CONCRETE BASE SLAB (GRADE C30 WITH A143 MESH 50mm COVER) AND RISING WALLS IN 100mm CONCRETE BLOCK LAD FLAT. PROVIDE GALVANISED COVERS.
ROOF:
PREFABRICATED ROOF TRUSSES & BRACING TO I.S.193. INSULATION & VENTILATION TO COMPLY TO BUILDING REGULATIONS 1997, PARTS F & L. PROVIDE 150mm FIBRE GLASS INSULATION BETWEEN CEILING JOISTS. 10mm CONTINUOUS VENTILATION AT EAVES & 5mm AT RIDGE.
CEILING: 1 SHEET 12.5mm FOIL-BACKED PLASTERBOARD, JOINTS TAPED, SKIMMED WITH GYPSUM PLASTERBOARD AND PAINTED 2 COATS EMULSION PAINT.
WALL/LATHES: 100x75mm STRAPPED DOWN AT 2000mm CTS, WITH 30x5mm CROSS SECTION GALVANISED M.S. STRAPS TO B.S. 2989,1982.
ROOF TRUSSES: TO CONFIGURATION SHOWN ON DRAWINGS AS DESIGNED BY SPECIALISTS, AT 400mm CTS. ALL TIMBERS TO BE PRESSURE IMPREGNATED TO SPECIFIERS CODE S14 OR OTHER EQUAL AND APPROVED. ALL BRACING TO COMPLY TO B.S.5296, PART 3, 1985. ALL ROOF BRACING TO BE INSTALLED IN STRICT ACCORDANCE WITH SPECIALISTS DETAILS & COMPLIANCE WITH BUILDING REGULATIONS.
DOORS:
EXTERNAL DOORS TO BE STEEL SHEETED FROM APPROVED SUPPLIERS, ALL HINGES TO BE S/S MAIN DOUBLE DOORS TO BE FITTED WITH INTERNAL PANIC BARS & FITTED WITH AN EXTERNAL CYLINDER PANIC LOCK. ALL IRONMONGERY GR136 S/S. ALL INTERNAL DOORS TO BE 1 HOUR FIRE RATED.
FURNITURE:
CONTRACTOR TO SUPPLY & FIT THE FOLLOWING--
FLOOR TO CEILING SHELVING
1 WHITE COMPUTER DESK
1 WHITE TABLE
4 GREY CHAIRS
FIRE EXTINGUISHERS:
PROVIDE 1No. 10lb CO² WALL MOUNTED FIRE EXTINGUISHER TO EACH ROOM.
EXTRACT FAN:
PROVIDE EXTRACT FAN TO WC CAPABLE OF EXTRACTING AT THE RATE OF 15 ltr PER SEC. WHICH WILL RUN INTERMITTENTLY. PROVIDE PERMANENT WALL VENT TO ROOMS 650mm².
HEATING:
INSTALL ELECTRIC CONVECTOR HEATERS TO ALL ROOMS TO CLIENTS SPECIFICATIONS & RECOMMENDATIONS.
INTERNAL FINISHES:
WALLS: 3 COATS EMULSION FLOOR: 2 COATS GREY FLOOR PAINT
SKIRTING: 150mm COVERED PVC
COMPARTMENT WALLS: BUILD UP WALLS BETWEEN SWITCHGEAR / CONTROL ROOM / WORKSHOP TO ROOF LEVEL AND FIRE STOP OVER
TIMBER COVERS: SWITCH ROOM TIMBER COVERS TO BE PAINTED WITH PROTECTIVE PAINT; COLOUR GREY.
- FOUNDATION / GROUND FLOOR NOTES**
1. THE CONTRACTOR SHOULD PARTICULARLY NOTE THAT ALL FOUNDATIONS ARE SUBJECT TO SITE CONDITIONS AND MAY BE VARIED AS REQUESTED BY THE ENGINEER AS THE WORK PROCEEDS.
2. FORMATION LEVEL & FOUNDATIONS TO BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONCRETE BEING POURED.
3. ALL FOUNDATIONS ARE TO BE BLINDED IMMEDIATELY AFTER EXCAVATION, WITH 75mm OF C16/20 CONCRETE BLINDING.

0	01/05/13	ISSUED FOR PLANNING	SB	PM	JC
REV.	DATE	REVISION DESCRIPTION	DRN	VER	APP
PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED					
TENDER	<input type="checkbox"/>	CLIENT APPROVAL	<input type="checkbox"/>	CONSTRUCTION	<input type="checkbox"/>
		AS-BUILT	<input type="checkbox"/>	REVISED	<input type="checkbox"/>
Client: OWENINNY POWER LTD.					
Project: WIND FARM PROJECT AT OWENINNY, BELLACORICK CO. MAYO					
Contract					
Drawing Title: 110KV SUBSTATION BUILDING PLAN & SECTION					
Production Unit: CIVIL, BUILDING & ENVIRONMENTAL GROUP					
<p>Oweninny Power Ltd</p> <p>Oweninny Power Ltd, Stephen Court, 18-21 St. Stephen's Green, Dublin 2, Ireland Tel: +353 (0) 1 7038000 Fax: +353 (0) 1 7038088 Email: oweninnypower@esbi.ie Web: www.oweninnywindfarm.ie Registered Office: as above Registered in Ireland No. 503730</p>					
DRAWN	VERIFIED	APPROVED	APPRO DATE		
PM	PM	JC	01/05/13		
CLIENT REF	No. of Shts	SIZE	REV	SCALE	
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DRAWING NUMBER: QR320201-P-000-074					