

## huilding regulations

bathrooms on SC3 timber floor joists to sizes and centres as specified. 25mm roof construction to structural engineers gap to wall face, 10mm expansion gap at chipboard junction with wall. in accordance with Part L and Regulation 7, the building fabric should be First floor to have minimum 22 mm floor boarding with 12.5mm plasterboard constructed to a reasonable quality of construction so that: having a mass per unit area of 10kg/sq metre and 100mm rockwool infill between a. the insulation is reasonably continuous over the whole building envelope: One run 175 x 50 SC3 solid strutting at mid-span clear spans exceeding 3500mm b. the air permeability is within reasonable limits details and design and to NORLOG design including solid strutting between joist and solid wall in accordance with NHBC the building fabric should be constructed so that there are no reasonably standards. Two runs 175 x 50 SC3 solid strutting at third points for clear avoidable thermal bridges in the insulation layers caused by gaps within spans exceeding 4500mm including solid strutting between joist and solid wall the various elements, at the joints between elements, and at the edges of in accordance with NHBC standards. elements such as those around windows and door openings Noggins to be provided to all floor joists including perimeters, to provide as required by Part LI(a)(ii), provision to be made to limit internal and specification support to ceilings. Floor finishes and under the bath where floor joists are temperature rise due to solar gains running at 90 degrees to the bath. this can be done by an appropriate combination of window size and orientation, U-VALUE OF ROOF CONSTRUCTION 0.16 W/m2k Where mild steel lateral straps occur, a s.w. noggin at least half the depth solar protection through shading and other solar control measures, ventilation of the joist and at least 38mm thick to be fixed between the floor joists, and (day and night) and high thermal capacity **CONCRETE TILES** extent of the strap, with a s. w. package piece tightly fitted between the CE129 Reducing overheating - a designer's guide offers guidance on strategies joist and the wall. to control overheating when seeking to limit solar gains, consideration should **GALVANIZED METAL SHOE** GALVANIZED METAL SHOE Ceillings with 400mm joist centres to be 9.5mm Gypsum plasterboard to BS 1230 25x50mm TILE BATTENS be given to the provision of adequate levels of daylight with Artex plastic finish or similar. For joists/trusses at 600mm centres **BOLTED TO HIPS & LOGS BOLTED TO HIPS & LOGS** B58206 Part 2 Code of practice for daylighting gives guidance on maintaining 12.7mm Gypsum plasterboard must be used. Plasterboard supported in accordance **BREATHABLE MEMBRANE** adequate levels of daylighting LOGS CANTILEVERED OUT TO LOGS CANTILEVERED OUT TO 25x50mm COUNTER BATTENS LINK SUPPORT LAMINATED HIP RAFTERS SUPPORT LAMINATED HIP RAFTERS 100mm TP10 KINGSPAN & ALL BOLTED TOGETHER & ALL BOLTED TOGETHER 18mm T&G BOARDING 200x70mm RAFTERS 200x70mm RAFTERS STRUCTURAL POST TO U-VALUE OF GLAZING 1.80W/m2k NORLOG SPECIFICATION DOOR TO CORPORATE **EVENT OFFICE** 48x150mm T&G LOG PANEL U-VALUE OF WALL CONSTRUCTION 0.19W/m2k 75mm TP10 KINGSPAN - 28mm T&G FLOORING DOOR TO **GLAZING** GALLERY 200x70mm JOISTS WITH 200mm **EXISTING** STAIRCASE -BALUSTRADE 101.00 office to be fire resistant glazing **INSULATION WOOL BETWEEN** CHANGING CHANGING 150mm DIA LOG WALL DPM under floor slab turned TIMBER STAIRS TO UPPER down against Bituthene FLOOR OFFICES TO AMBULANT finished floor level of -100.00 **DISABLED DESIGN** existing lodge 100.00 top of wall finished with two -----190mm BLOCK WALL concrete blocks laid flat with GLAZING 7000 external render finish brick \$ Bituthene turned over 99.00 the top of the bricks existing ground level finished floor level of - 48x150mm T&G LOG PANEL shown dotted proposed extension 98.80 to be fire resistant dazing 100mm TP10 KINGSPAN steps formed with mass concrete bricks to dpc level steps formed with mass concrete Tanking Bituthene 4000 with Bituthene protection board bricks to dpc level— Bituthene taken across blocks and up the 150mm dia perforated land drain surrounded inside to floor level with Bituthene protection in pea shingle draining to lower end corner detail with Bituthene LM recommended detail 300mm concrete slab with A393 mesh 215mm hollow concrete blacks (7.3N) RETAINING WALLS by Grace Construction Products Ltd reinforced with one TIO bar in each voice 215mm hollow concrete block 75mm concrete blinding 97.00 internal log framing built ----- minimum 300mm open graded gravel blanket off reinforced concrete slab Reinforcement **CARPET FINISH** Fanking Bituthene 4000 with Bituthene protection board 300mm concrete slab with A393 mesh vertical steel TIO at 225mm c/ (one bar to each void) 75mm concrete blinding -DOOR TO 75mm CONCRETE SCREED TO CONTAIN minimum 300mm open graded gravel blanket UNDERFLOOR HEATING SYSTEM TO RETAIL STORE Tanking Bituthene 4000 with Bituthene protection board — 96.00 concrete grade C35 with minimum 300 kg per cu. m U-VALUE OF FLOOR CONSTRUCTION 0.18W/m2k MANUFACTURERS DETAILS cement and maximum 0.6 free water cement ratio 75mm CELOTEX FF3000 A393 mesh (400mm laps) FLOOR INSULATION Cover 50mm foundation design to structural concrete for infilling blocks to be the following proportions by dru volume of materials 1: 3: 2 cement: sand: 10mm maximum concrete for base to be Grade C35 with minimum cement engineers drawing no 3202/01 content 300kg/cu.m and maximum free water/cement ratio 0.6 mortar mix for blocks to be type (ii), 1: 3 to 4 of cement: sand construction of lodge extension to be THE INFILL CONCRETE SHOULD BE PLACED AS PART OF THE PROCESS OF LAYING BLOCKS AT MAXIMUM VERTICAL INTERVALS OF 450mm ANY EXCESS MORTAR SHOULD BE REMOVED BEFORE INFILLING built in accordance with NORLOG drawing to be read in conjunction THE INFILL CONCRETE SHOULD BE PLACED IN LAYERS TO WITHIN 50mm OF THE LEVEL OF THE LAST COURSE LAID IT IS IMPORTANT THAT THE CONCRETE INFILL SHOULD BE COMPACTED IMMEDIATELY AFTER POURING DO NOT BUILD THE WALL TO FULL HEIGHT AND THEN CAST THE INFILL details and specification with structural engineers drawing no 3202/01

22mm tongue and grooved flooring/moisture Grade Type II chipboard generally.

22mm tongue and grooved flooring/moisture grade Tupe II/III chipboard to

## proposed extension to existing clubbouse at E J Churchill shooting ground, lane end, bucks

0m 5m 10m scale 1-50

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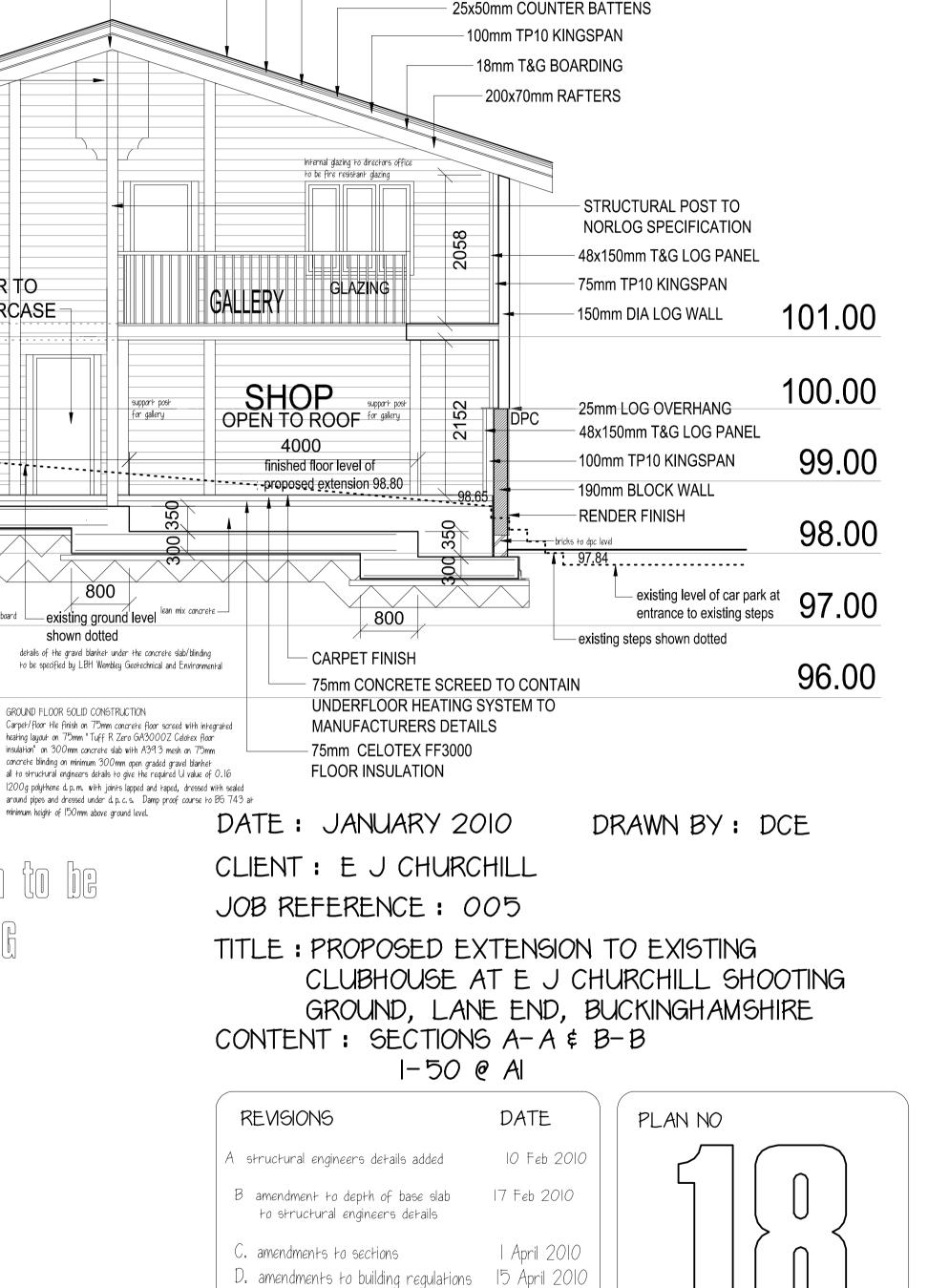
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CONCRETE TILES

25x50mm TILE BATTENS

BREATHABLE MEMBRANE

DO NOT SCALE FROM THIS DRAWING



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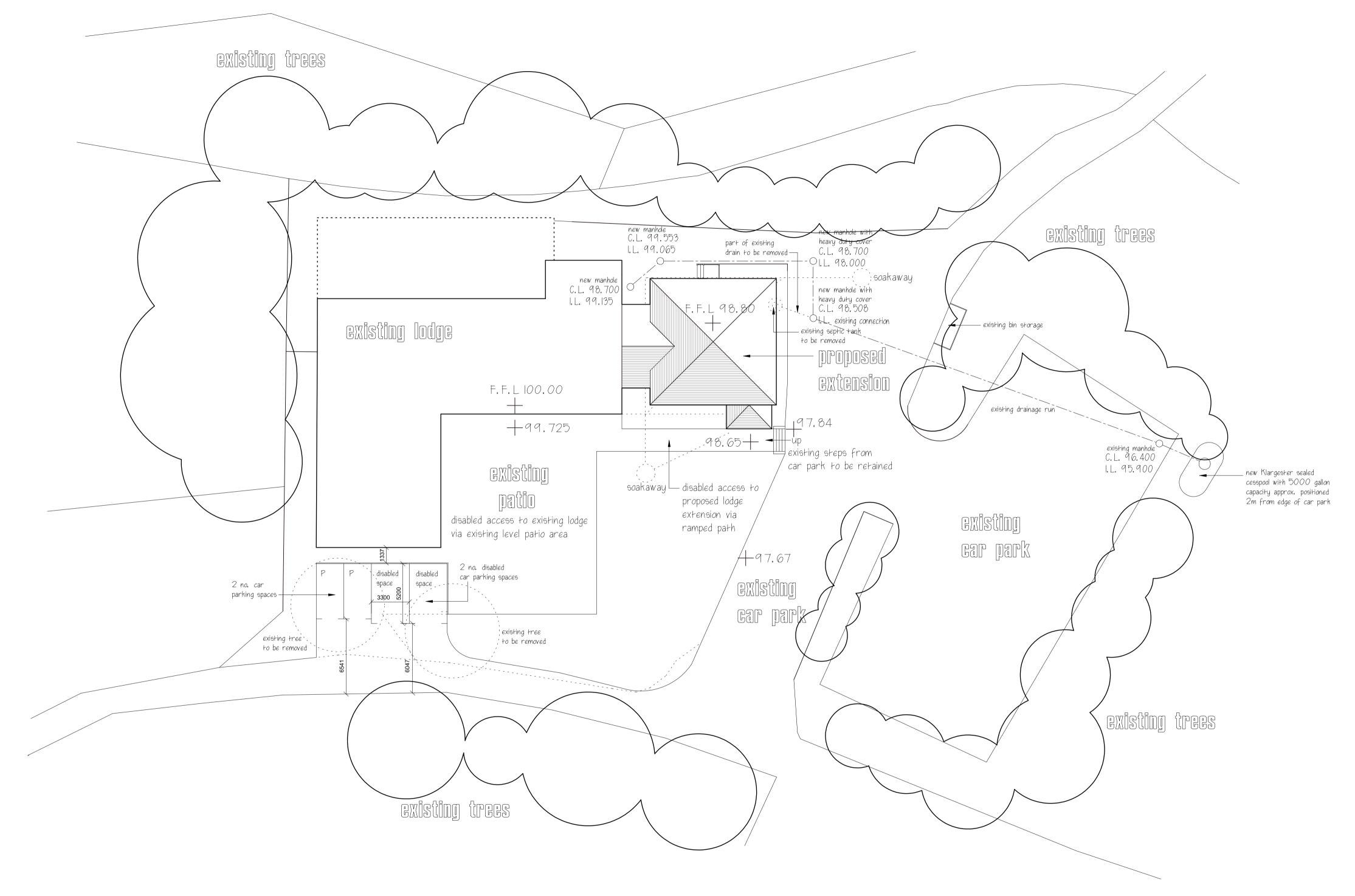
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## building regulations



site layout plan scale 1-200

proposed extension to existing clubhouse at E J Churchill shooting ground, lane end, bucks 211006

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DATE: JANUARY 2010

DRAWN BY: DCE

CLIENT: E J CHURCHILL

JOB REFERENCE: 005

TITLE: PROPOSED EXTENSION TO EXISTING
CLUBHOUSE AT E J CHURCHILL SHOOTING
GROUND, LANE END, BUCKINGHAMSHIRE
CONTENT: SITE LAYOUT PLAN

1-200 @ AI

REVISIONS
A. amendments to building regulations 15 April 2010

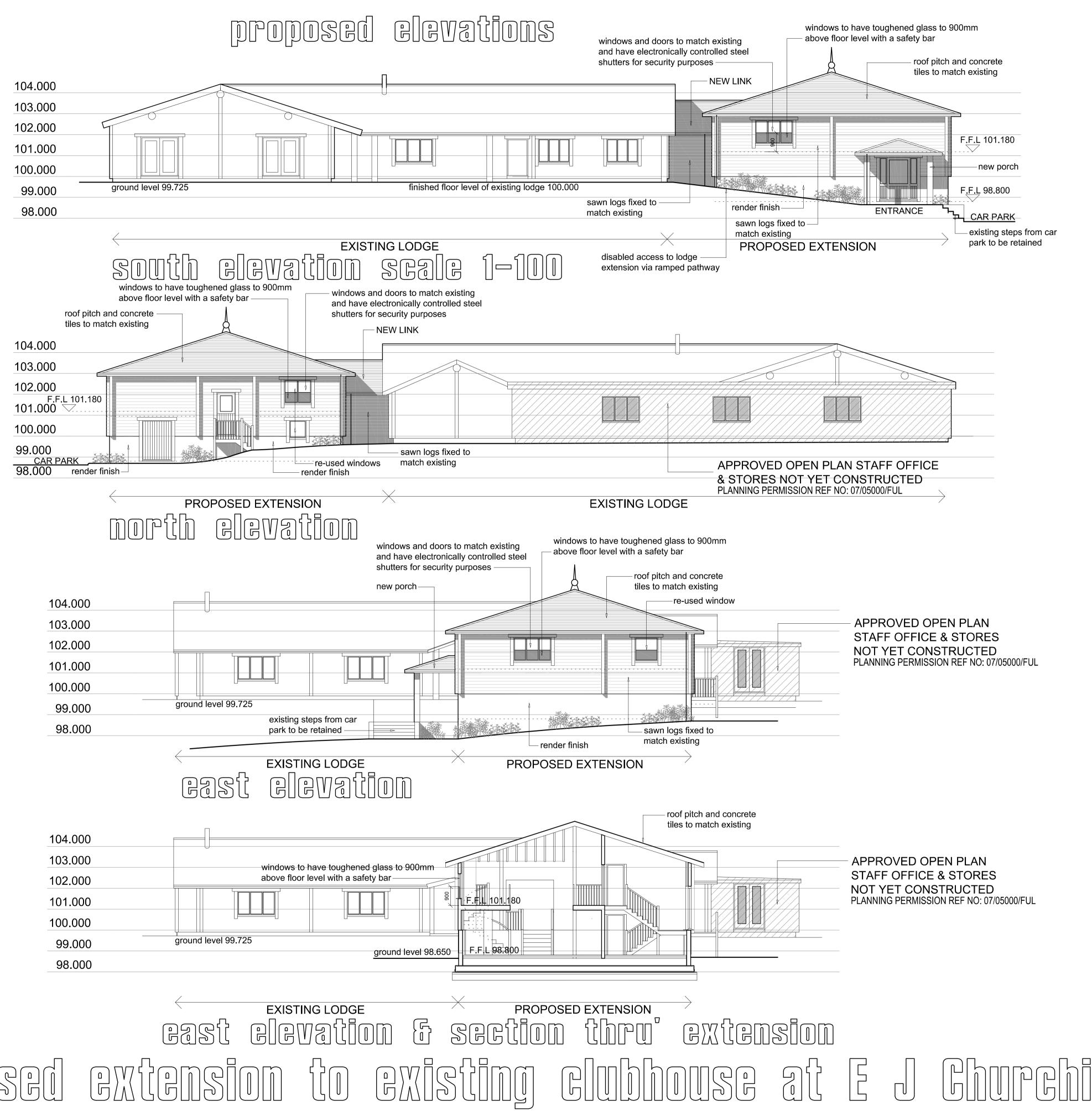
PLAN NO



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proposed extension to existing elubhouse at E J Churchill shooting ground, lane end, bucks

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0m 5m 10m scale 1-100

## building regulations

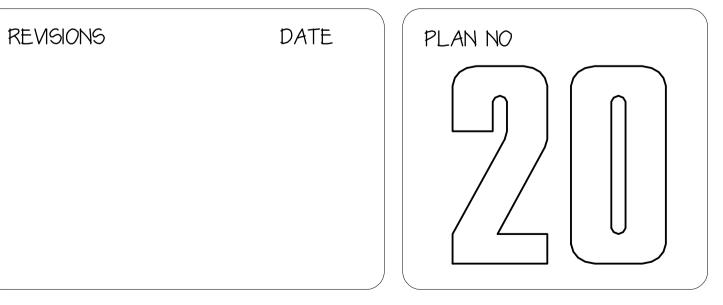
DATE: APRIL 2010

DRAWN BY: DCE

CLIENT: E J CHURCHILL
JOB REFERENCE: 005

TITLE: PROPOSED EXTENSION TO EXISTING
CLUBHOUSE AT E J CHURCHILL SHOOTING
GROUND, LANE END, BUCKINGHAMSHIRE

CONTENT: ELEVATIONS 1-100 @ AI





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