

ROOF STRUCTURE

PITCHED ROOF STRUCTURE TO STORE TO COMPRISE CUT ROOF OF 150X50MM C24 RAFTERS AT 457MM C/S BEARING ON WALL PLATES, AND INTERMEDIATE PURLIN TO STRUCTURAL ENGINEERS CALCULATIONS.

STRUCTURAL DESIGN OF ROOF TO PROVIDE SPECIFICATION AND DETAILS OF LONGITUDINAL TIES AND RAFTER BRACING TO RESIST VERTICAL LOADING, WIND DRAG AND WIND LOADING.

ROOF SLOPES TO BE SET AT A PITCH TO MATCH EXISTING MAIN ROOF, APPROX 22° 30', AND DESIGNED TO CARRY A LAID WEIGHT OF 100 KG/SQ.M.

ROOF CONSTRUCTION

100MM THICK KINGSPAN THERMOPITCH TP10, OR SIMILAR APPROVED, INSULATION BOARDS LAID OVER RAFTERS, WITH PRESERVATIVE TREATED STOP RAIL AT EAVES. BOARDS TO BE LAID ACROSS THE LINE OF THE RAFTERS LIGHTLY BUTTED AND BREAK BONDED WITH BOARD JOINTS TO OCCUR OVER RAFTERS.

EXTERIOR GRADE 18MM PLYWOOD (EN314-3 & EN636-2) ROOFING SUBSTRATE LAID OVER SARKING INSULATION WITH SURFACE EVEN AND FLUSH WITH ALL JOINTS BEING LESS THAN 2MM IN HEIGHT. APPROVED FIXINGS (HELIFIX INSKEW OR SIMILAR) SHOULD BE DRIVEN THROUGH THE PLYWOOD AND INSULATION INTO THE RAFTERS SO AS TO AVOID ABRASIVE CONTACT WITH THE UNDERSIDE OF THE ROOF CLADDING SHEETS.

ENSURE THAT ANY TREATMENT WHICH THE PLYWOOD MAY HAVE RECEIVED (FUNGICIDES OR INSECTICIDES) IS COMPATIBLE WITH THE CLADDING SHEETS.

SUBSTRATE SHOULD BE FIXED PERPENDICULAR TO THE DIRECTION OF THE STANDING SEAMS, AND STAGGERED. TO BE PREPARED TO BE DRY AND FREE OF DUST, DEBRIS, GREASE AND OTHER DELETERIOUS MATTER AND TO RECEIVE VAPOUR PERMEABLE MEMBRANE OVER PRIOR TO INSTALLATION OF CATNIC URBAN PROFILED ROOFING SHEETS BY SPECIALIST CONTRACTORS APPROVED BY MANUFACTURER.

FLAT HEAD/ CLOUT NAILS FOR FIXING UNDERLAY SHOULD BE GALVANISED, SHERADISED, AUSTENITIC STAINLESS STEEL, PHOSPHOR BRONZE OR SILICON BRONZE: FIXINGS SHOULD BE MADE INTO SECURE GROUNDS AT APPROX 450MM C/S. HORIZONTAL LAPS TO BE 100MM MINIMUM, END LAPS/ VERTICAL JOINTS TO BE AT LEAST 300MM WIDE COINCIDING WITH RAFTER CENTRES.

WHERE COMPONENTS PENETRATE THE UNDERLAY CUT NEATLY AND ACCURATELY AND TURN FLANGES UP AND TAPE TO GIVE TIGHT WATERSHEDDING FIT. UNDERLAY TO BE DRESSED OVER RIDGE BY 150MM MINIMUM.

ROOF INSULATION

ADDITIONAL LAYER OF 100MM KINGSPAN THERMOPITCH TP10, OR SIMOILAR APPROVED, INSULATION CUT TO TIGHT FIT BETWEEN THE RAFTERS AND INSTALLED TIGHT AGAINST THE SARKING INSULATION TO PREVENT THE RISK OF AIR MOVEMENT BETWEEN THE TWO LAYERS OF INSULATION BOARDS. INFILL INSULATION BOARDS TO BE HELD IN POSITION WITH SIDE-NAILED TREATED TIMBER BATTENS FIXED TO RAFTERS. (INFILL INSULATION CAN ALTERNATIVELY BE INSTALLED BEFORE SARKING INSULATION USING NAILABLE SARKING CLIPS TO POSITION INSULATION FLUSH WITH TOP FACE OF RAFTERS).

ENSURE THAT INSULATION BOARDS ARE LIGHTLY BUTTED AND THAT THERE IS A TIGHT FIT BETWEEN THE INSULATION AND THE RAFTERS. FILL ALL GAPS WITH EXPANDING URETHANE SEALANT.

RAFTERS TO BE UNDERDRAWN WITH VAPOUR CONTROL LAYER AND EXTERIOR GRADE 12MM PLYWOOD (EN314-3 & EN636-2) BOARDS AS FINISH.

RAINWATER GOODS

GUTTERS TO CONFORM TO PART H3 OF THE BUILDING REGULATIONS. GUTTERS TO BE CATNIC URBAN BOX GUTTERS COLOUR MATCHED TO ROOF. BRACKETS TO BE AT 500MM CENTRES, AND WITHIN 300MM OF CORNERS. GUTTERS TO DISCHARGE INTO 68MM DIAMETER DOWNPIPES WITH DOWNPIPE CLIPS AT 2000MM CENTRES MAXIMUM. DOWNPIPES ARE AS POSITIONED ON PLAN AND ARE TO DISCHARGE INTO TRAPPED ACCESS GULLIES CONNECTED TO NEW SOAKAWAY .

WINDOWS AND DOORS

DDA COMPLIANT STEEL SECURITY DOOR WITH CLEAR OPENING OF 1085MM TO DISABLED TOILET WITH LOCK TIMER CONTROL.

ROLLER SHUTTER GARAGE DOOR TO GROUNDSMAN'S STORE.

VENTILATION

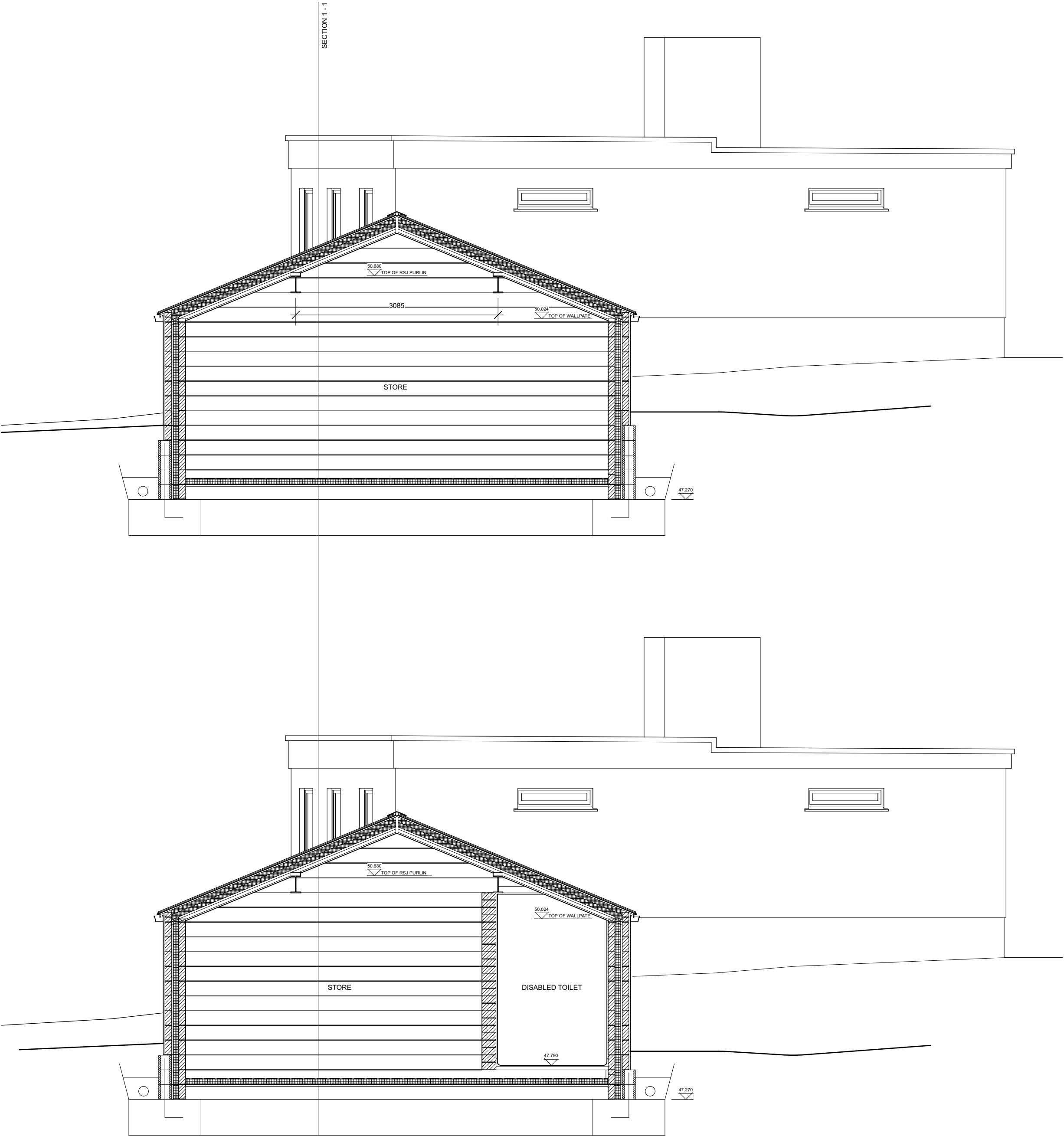
SANITARY ACCOMMODATION VENTILATION:- MECHANICAL EXTRACT VENTILATION CAPABLE OF EXTRACTING AT A RATE OF NOT LESS THAN 15 L/S, WHICH MAY BE OPERATED INTERMITTENTLY, AND IS TO HAVE 15 MINUTE OVER-RUN.

ELECTRICAL SWITCHES AND SOCKETS

INSTALLATION TO MEET THE REQUIREMENTS OF APPROVED DOCUMENT PART P (ELECTRICAL SAFETY) AND BE DESIGNED, INSTALLED, INSPECTED AND TESTED BY A COMPETENT PERSON, AND SHOULD ALLOW FOR THE PROVISION OF AN APPROPRIATE BS7671 ELECTRICAL CERTIFICATE. SWITCHES AND SOCKET OUTLETS FOR LIGHTING AND OTHER EQUIPMENT SHOULD BE LOCATED SO THAT THEY ARE EASILY REACHABLE.

ABOVE GROUND DRAINAGE

TO CONFORM TO PART H OF THE BUILDING REGULATIONS. WASTE PIPES FROM SANITARY APPLIANCES TO CONNECT TO NEW/EXISTING SOIL STACKS. WASTE TO BE FITTED WITH DEEP SEAL TRAPS AND RODDING EYES ON BENDS. WASTE SIZES: SINK 40MM BASINS 32MM W.C. 100MM



PROJECT

PROPOSED GROUNDMAN'S STORE AND DISABLED TOILET, KING GEORGE V PLAYING FIELDS, WOOD LANE, NAILSWORTH, GLOUCESTERSHIRE GL6 0HT for NAILSWORTH TOWN COUNCIL

DRAWING TITLE

PROPOSED SECTIONS 2 - 2 AND 3 - 3

SCALE

1 : 50

DATE

DEC 2024

DRAWING NUMBER

24/560/17

REVISION

KEITH ANGUS CHARTERED ARCHITECT /

THE OLD CO-OP, BREWERY LANE, NAILSWORTH, STROUD, GLOUCESTERSHIRE GL6 0JQ

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